19980924.qrp v01_n224.qrs.980924

Date: Thu, 24 Sep 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1224

QRP-L Digest 1224

Topics covered in this issue include:

  1) [20792] SW30+ and SLV photos
     by "Adam B. Kanis" <adam-kanis@uiowa.edu>
  2) [20793] Solar Flare 9-23
     by Paul Harden <pharden@aoc.nrao.edu>
  3) [20794] DX394
     by marion@montana.com
  4) [20795] Re: New QRP Kits.
     by "Steve Yates, AA5TB" <aa5tb@swbell.net>
  5) [20796] QRP Afield Pictures
     by "Marshall Emm" <mgemm@mtechnologies.com>
  6) [20797] Re: Where do it go?
     by Dick Schneider <rschneid@ix.netcom.com>
  7) [20798] "wide open"
     by "Jerry W. O'Dell" <jwodell@ameritech.net>
  8) [20799] Need AEA CK-1 Keyer Manual
     by SMurph555@aol.com
  9) [20800] Emergency Procedure Help
     by Jeff Grudin <grudin@pacific.vdbs.com>
 10) [20801] Re: "wide open"
     by Peter Larsen <larsenp@cadvision.com>
 11) [20802] Yb-400 dead
     by "DJ Rock" <b2bn@hotmail.com>
 12) [20803] Re: Emergency Procedure Help
     by Richard Brittingham <rbritt@visi.net>
 13) [20804] How not to Win Friends and Influence on QRP-L!!!
     by "Paul R. Valko" <prvalko@oakland.edu>
 14) [20805] Re: QRP Afield Pictures
     by Tim Ahrens <tahrens@inetport.com>
 15) [20806] Re: Emergency Procedure Help
     by Stephen Lee <slee@u.washington.edu>
 16) [20807] FS: TUNER AND ANTENNAS
     by w2bj@juno.com (Barry J Minsky)
 17) [20808] Re: How Rare is Deleware?
     by VE3JC - John C <jbcumming@wwdc.com>
 18) [20809] Re: How Rare is Deleware?
     by Wayne Alexander <walexan@ipa.net>
 19) [20810] Re: Emergency Procedure Help

    by Roger Hightower <n7kt@earthlink.net>
20) [20811] Group Buy for NC20 Ten Turn Tune Pot - Volunteer Needed!!
    by Dave Fifield <fifield@pacbell.net>
21) [20812] emergency help neede NOW!!!
    by Ron Keener <rkeener@realtime.net>
22) [20813] Re: How Rare is Deleware?
    by w4bws@juno.com (Donald E Sanders)
23) [20814] Re: How Rare is Deleware?
    by Ab7wy@aol.com
24) [20815] Re: QRP Afield Pictures
    by "Marshall Emm" <mgemm@mtechnologies.com>
25) [20816] re: request for help
    by Ron Keener <rkeener@realtime.net>
26) [20817] Re: request for help
    by W7LS <w7ls@blarg.net>
27) [20818] Headphones on sale at R/S
    by gsurrency@juno.com (Gary L Surrency)
28) [20819] Thanks for all the ideas on emergency procedures
    by Jeff Grudin <grudin@pacific.vdbs.com>
29) [20820] Cordless phone chip question.
    by John Fletcher <johnf@innotts.co.uk>
30) [20821] Not QRP: CP Backup?
    by "Bill Todd" <bill@willapabay.org>
31) [20822] Re: Yb-400 dead
    by mikemo@ibm.net
32) [20823] Delaware
    by "Jerry W. O'Dell" <jwodell@ameritech.net>
33) [20824] Re: Am audio (overmod- shunt feed)
    by BADDBadger@aol.com
34) [20825] Tuff rigs
    by afpgreg@state.me.us (Paul V. Gregory)
35) [20826] Op from foreign locations
    by w4pj@w4bkx.ampr.org
36) [20827] Re: Emergency Procedure Help
    by Richard Brittingham <rbritt@visi.net>
37) [20828] "Considerate Operators"?
    by nhoop@centuryinter.net (N H)
38) [20829] Hating QRO People
    by w4pj@w4bkx.ampr.org
39) [20830] Re: Cordless phone chip question.
    by "Radman" <radman@best.com>
40) [20831]
    by klhartman@lucent.com
41) [20832] New QRP Rigs
    by "Kevin F. Glynn" <kfglynn@prodigy.net>
42) [20833] Rick Littlefield and Radiokit kits.
    by Bernard A Doehner <bad2@rfc.comm.harris.com>
43) [20834] Re: How Rare is Delaware?

by "Ed Hare, W1RFI" <ehare@arrl.org>
44) [20835] Re: "Considerate Operators"?
by Ron Keener <rkeener@realtime.net>
45) [20836] Propagation analysis software
by "Ed Hare, W1RFI" <ehare@arrl.org>
46) [20837] RE: How Rare is Delaware?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
47) [20838] Re: Am audio (overmod- shunt feed)
by RABRUNER@aol.com
48) [20839] WAS WEEKEND
by ARDUJENSKI@aol.com
49) [20840] RE: How Rare is Delaware?
by Richard Brittingham <rbritt@visi.net>
50) [20841] RE: How Rare is Delaware?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
51) [20842] QRP-L tutorial, ex: Radiokit
by "Michael A. Gipe" <mgipe@reliablemeters.com>
52) [20843] TT 1254 & 405 are sold!
by "Larry Laffoon" <w3rl@email.msn.com>
53) [20844] Re: Radio Shack DX394 closeout
by "Radman" <radman@best.com>
54) [20845] QTTF vs QAF
by Roger Hightower <n7kt@earthlink.net>
55) [20846] Re: QRP-L tutorial, ex: Radiokit
by "Radman" <radman@best.com>
56) [20847] Re: Not QRP: CP Backup?
by "Bill Todd" <bill@willapabay.org>
57) [20848] Differences on CW vs Single tone SSB?
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
58) [20849] HAAAAAALLLLLLLPPPPPP..... MAYBE?
by hamjoel@juno.com (Joel M Denison)
59) [20850] Re: Yb-400 dead
by Steven Weber <kd1jv@moose.ncia.net>
60) [20851] RE: How Rare is Delaware?
by marion@montana.com
61) [20852] Re: Not QRP: CP Backup?
by "Radman" <radman@best.com>
62) [20853] Re: Radio Shack DX394 closeout
by Stephen Lee <slee@u.washington.edu>
63) [20854] RE: Differences on CW vs Single tone SSB?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
64) [20855] "Rare" WAS states
by bcutter@teal.csn.net (Bob Cutter)
65) [20856] Morse Academy Manual. Delaware...
by Ed Loranger <we6w@qsl.net>
66) [20857] Re: WAS WEEKEND
by "Ed Hare, W1RFI" <ehare@arrl.org>
67) [20858] 48SPECIAL

by k6hcj@juno.com (Marv Fagenson)
68) [20859] Sell/Trade items (mostly QRP or CW)
by "Allan (Grant) Taylor" <k7gt@qsl.net>
69) [20860] HW-8 Trade for Ant. Analyzer.
by Ed Loranger <we6w@qsl.net>
70) [20861] rare states
by marion@montana.com
71) [20862] Rainbow Tuner in KE6RIE Enclosure
by Joe Everhart <n2cx@voicenet.com>
72) [20863] Re: Not QRP: CP Backup?
by "Bill Todd" <bill@willapabay.org>
73) [20864] ARRL HANDBOOK SIERRA advice needed please.
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>
74) [20865] J310 SPICE Model
by David Shalita <af389@lafn.org>
75) [20866] Re: J310 SPICE Model
by jeverhar@cse.l-3com.com
76) [20867] Re: J310 SPICE Model
by Chris Trask <ctrask@primenet.com>
77) [20868] Excess Power
by Frank McCrackin <wb6lma@cdsnet.net>
78) [20869] Announcing GHD Keys from Morse Express
by "Marshall Emm" <mgemm@mtechnologies.com>
79) [20870] 40 m AR QRP Net results
by Robsparks@aol.com
80) [20871] Rare States: Remember 50-50, or 50-40-30?
by ab5uacw@juno.com (Clifton W Sikes)
81) [20872] 15 and 17M Check the bands!!
by Jim <kj5tf@madisoncounty.net>
82) [20873] Radiokit revisited
by PDouglas12@aol.com
83) [20874] 10m doing good at 2000Z
by Joe Gervais <vole@primenet.com>
84) [20875] 10m doing good at 2000Z
by Joe Gervais <vole@primenet.com>
85) [20876] QRP Afield- Early Results
by Bensondj@aol.com
86) [20877] RE: RF Losses-another test proposed
by "rohre" <rohre@arlut.utexas.edu>
87) [20878] First Zombie Message
by "James Fielden" <fielden@utkux.utcc.utk.edu>
88) [20879] Re: Radiokit revisited
by Tom Cooper <cooper@gmpvt.com>
89) [20880] Re: Not QRP: CP Backup?
by "Bill Todd" <bill@willapabay.org>
90) [20881] Re: How not to Win Friends and Influence on QRP-L!!!
by Jim Lowman <jmlowman@ix.netcom.com>
91) [20882] Re: Radiokit revisited

    by jim nestor <nestoji@home.com>
 92) [20883] Re: Radiokit revisited
    by "Paul Christensen" <paulc@mediaone.net>
 93) [20884] Re: How not to Win Friends and Influence on QRP-L!!!
    by "Robert P. Okas" <vintage@best.com>
 94) [20885] Hamshack Aerobics -- The Fit Ham
    by Ed Loranger <we6w@qsl.net>
 95) [20886] Dual Gate GaAsFETs - Inexpensive
    by "Adam B. Kanis" <adam-kanis@uiowa.edu>
 96) [20887] Re: Radiokit revisited
    by Dave Sjolin <sjolin@swbell.net>
 97) [20888] FW: "Rare" WAS states
    by "Cieslak, Chris" <ccieslak@LAW.UIUC.EDU>
 98) [20889] I feel the need
    by "Barry L. Geipel" <bgeipel@primenet.com>
 99) [20890] Re: How not to Win Friends and Influence on QRP-L!!!
    by "Albert C. Miles" <wa4cmi@bellatlantic.net>
100) [20891] Lightbulbs and Verbosity, ?
    by Mel Evans <MelEvansGM6JAG@compuserve.com>
101) [20892] Re: Radio Shack DX394 closeout
    by DYARNES@aol.com

Date: Wed, 23 Sep 1998 18:02:04 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [20792] SW30+ and SLV photos
Message-ID: <3.0.32.19980923180158.0068ad88@blue.weeg.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

did some needed maintenence on my ham web pages today. added some pictures
of the SW30+ and the SLV. The URL is in the sig lines.

--adam, n2brt

Adam B. Kanis, N2BRT
adam-kanis@uiowa.edu   QTH: Wellman, IA (Near Iowa City) EN41ck
    -- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:IowaQRP:SEITS --
** On the web at http://genome33.ped-gen.uiowa.edu/hamradio **
==========

Date: Wed, 23 Sep 1998 17:15:44 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: GQRP-L List <gqrp-l@blacksheep.org>
Subject: [20793] Solar Flare 9-23
Message-ID: <Pine.SOL.3.91.980923162921.24902A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SUMMARY: (For those not wanting to read the tutorial portion)

A fairly large, long duration M-class flare occured today that will
cause geomagnetic storming and proton related effects, such as a Polar
Cap Absorption Event, as soon as 0300 UTC 24 Sept.

The best time to work low-power DX is RIGHT NOW ... before 24/0300UTC.
Solar flux is fairly high at 143, entering the 150's over the next
couple of days. When the effects of todays flare settles down, conditions
should be very good (as they are right now) on 10 and 15M.

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 266 ISSUED AT 2200Z ON 23 SEP 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z
> TO 23/2100Z: SOLAR ACTIVITY WAS HIGH DUE TO AN M6.9/3B FLARE THAT
> OCCURRED IN REGION 8340 (N20W02) AT 23/0713UT.
                            ^^^^^^
Note the solar location ... N20 (20 degrees above the solar equator)
and W02, which is almost facing the earth ... means much of the energy
released from this flare *could* strike the Earth causing geomagnetic
disturbances, and certainly caused disturbanced during the duration of
the event.

> THIS WAS A LONG
> DURATION EVENT THAT ALSO PRODUCED A TYPE II AND A TYPE IV SWEEP.

The longer the event, the more energy is released and the more mass
(heavier particles) that were flung into space. Some of these ejected
charged particles will strike the earth's magnetic field in a couple
of days, causing geomagnetic storming.

A type II sweep is caused by the rising shock wave and gas cloud from
the disturbance passing through the sun's magnetic field lines, producing
radio energy that sweeps downward in frequency about 10-20MHz per second.
To a stationary observer (say a QSO in progress) they would sound like
evenly spaced bursts, like slow ignition noise.

Type IV sweeps are "continuum noise" emissions that start around 400 MHz and extend downward. They produce an elevation in background noise levels, even at VHF frequencies, for several hours following the solar flare. It has subsided by now, no doubt.

> THERE IS A FAIR POSSIBILITY THAT A PROTON EVENT WAS ALSO GENERATED
> DURING THIS ACTIVITY.

A proton event, depending upon the severity, has several areas of concerns. First is to the satellites in orbit, where a wavefront of fast moving protons can cause damage to spaceborne electronics and even disturb the attitude and orbit to satellites. Secondly, the arriving protons on earth can cause geomagnetic disturbances of their own, plus causing Polar Cap Absorption events (PCA's), where HF propagation in the higher latitudes virtually ceases due to huge levels of absorption. The later appears very likely from this event.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
> TO MODERATE. REGION 8340 CAN BE EXPECTED TO PRODUCE CONTINUED
> C-CLASS FLARES AND A POSSIBLE M-CLASS EVENT.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:
> GEOMAGNETIC ACTIVITY WAS QUIET TO UNSETTLED.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE QUIET TO UNSETTLED WITH POSSIBLE ACTIVE PERIODS AT
> HIGH LATITUDES. THERE IS A FAIR CHANCE OF A PROTON EVENT RESULTING
> FROM THE M6 FLARE AND THE ASSOCIATED TYPE II AND IV SWEEPS THAT
> OCCURRED ON 23/0713. PROJECTED ARRIVAL OF THE PROTON EVENT IS EARLY
> ON 24 SEPT AT AROUND 0300UT.

Here's a little exercise in proton velocity. The flare occured on 23 Sept. at about 0700 UTC and the protons are expected to arrive on 24 Sept. at about 0300. That's about 20 hours of travel time to cover the Sun-Earth distance of 93 million miles. That works out to about 1300 miles per second. They key is the density. With a very high density proton event (which this wasn't), that's like a wall of sand hitting you at 1300 miles per second (~2000 km/sec). That could hurt! And that is exactly why a high density proton event raises such concern with those who operate our satellites. Dense enough and fast enough ... it would be lethal. Normal solar wind velocity is 200-400 km/sec., so this is ten times faster than the normal velocity that solar particles strike the earth.

Fortunately for us mortals on earth ... we have our magnetic field to absorb the majority of this "blast of sand," leaving only rotten HF conditions in it's wake for a day or two. Beats getting fried!

> PCAF   YELLOW   <---- warning issued for proton/polar cap
                           absorption event. This could also trigger
                           auroral activity.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED   23 SEP 143 <---------------------- not bad :-)
> PREDICTED   24 SEP-26 SEP 150/150/155 <------------- even better
> 90 DAY MEAN   23 SEP 129

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 22 SEP 006/010
> ESTIMATED AFR/AP 23 SEP 012/012 <--------------- not bad, a bit noisy
> PREDICTED AFR/AP 24 SEP-26 SEP 020/020-040/040-020/020
                                          ^^^^^^^
                                          Now THIS is BAD
                                          Minor storm levels friday

MORAL OF THE STORY ... a good time to work DX is RIGHT NOW and before
the expected proton event arrives around 23Sep/0300 UTC. Good
propagation, high solar flux, quiet conditions until then.

72, Paul NA5N
National Radio Astronomy Observatory
Socorro, New Mexico

Date: Wed, 23 Sep 1998 18:14:15 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [20794] DX394
Message-ID: <199809240014.SAA19013@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

        Picked up the only DX394 at the local Radio Shack store today for
$159.97. Manager told me if any further price reductions took effect in next
30 days they would refund the amount of discount. So far it works great.
Nice,small, full featured receiver. 72/73 Roy AB7CE

Date: Wed, 23 Sep 1998 18:23:47 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>

To: w7ls@blarg.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20795] Re: New QRP Kits.
Message-ID: <36098303.790F3DDC@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim (W7LS),

I have the same kind of ideas when it comes to portable gear. I like to be able to throw it around without hurting it. That's why I built my 38 Special into a hogged out 1/4" thick aluminum chassis and placed that into a military, water tight munitions box. I call it my PRC-38S. The military box can also store all of my accessories including the antenna. You can check it out at:

http://home.swbell.net/aa5tb/38S.html

I think a commercial kit designed as such would be worth the money too!

73,
Steve Yates
AA5TB
aa5tb@swbell.net
http://home.swbell.net/aa5tb/
Fort Worth, Texas

Date: Wed, 23 Sep 1998 17:27:07 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@mtechnologies.com
Subject: [20796] QRP Afield Pictures
Message-ID: <199809232326.RAA08558@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Pictures of the W0CQC operation at Daniels Park, as well as that of our "Southern Chapter" down in the Springs are available on the web site now at:

http://www.cqc.org/gallery

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
http://www.MorseX.com
(303)752-3382
--

Date: Wed, 23 Sep 1998 17:52:18 -0600
From: Dick Schneider <rschneid@ix.netcom.com>
To: bcutter@teal.csn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20797] Re: Where do it go?
Message-ID: <360989B2.48E0E62B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob:

Don't know how to break the news, but it's all absored by Mile High Stadium in Denver, which, as you know, is only used 8 times a year. The rest of the time it just soaks up all the excess electrical energy west of the Mississippi. That's why the team wants us to build a new one.

72 Dick AB0CD..

Bob Cutter wrote:

> What happins to the "excess" electrical energy that is generated and placed
> into the grid/distribution system that is not converted into another form of
> energy. Is there a giant dummy load that converts it to heat, is it stored,
> what?
>
> 72, Bob KI0G

Date: Wed, 23 Sep 1998 19:53:12 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [20798] "wide open"
Message-ID: <19980924005236.TCU27131@[199.179.189.151]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I get the feeling that the term "wide open" is misapplied frequently.

In 47 years of ham radio, I have, indeed, heard ten meters "wide open". The doesn't mean talking to mexico, europe, or anywhere. You can talk to anything with anything. It doesn't matter whether you're running 0.1 watt or 1000 watts. They all hear you.

Now gentle readers, I go back to my lair, again to snap at someone talking about "wide open"

73 jerry w8gnd

Date: Wed, 23 Sep 1998 20:02:53 EDT
From: SMurph555@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20799] Need AEA CK-1 Keyer Manual
Message-ID: <f257e441.36098c2d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all:
I acquired an AEA CK-1 keyer frrom the Widows' Assistance folks at a recent hamfest. I'd sure like to find a copy of the manual for this little beast. Would happily cover copying and mailing costs!
72/73
Cal K4JSI

Date: Wed, 23 Sep 1998 17:26:59 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [20800] Emergency Procedure Help
Message-ID: <360991D3.93E972D0@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay, I am a ham and am supposed to know something about emergency procedures. One of my clients whose father is a ham in Puerto Rico called me and asked me to try find out if her father is OK after the last storm. He lives in Yauco in the southwestern area. His call is KP4ADY and his name is Jose Gilberto Velez.

I will monitor the airwaves tonight looking for sigs from PR and try to contact a ham there to get help.

I know there are traffic nets, but I am not aware of how to find one readily. The last time I tried, the message never got through.

Anyone have any other ideas that would be helpful?

I know this isn't QRP but we probably should know this info anyway.
--
73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: http://www.vdbs.com/~grudin
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Thu, 24 Sep 1998 00:35:06 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: jwodell@ameritech.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20801] Re: "wide open"
Message-ID: <360985AA.2BA3448A@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jerry:

Would 10 meters qualify as wide open the day I worked all

continents in less than 1/2 hour? If I remember right I worked
60 countries or so that day.
5 elem home brew yagi at 35 feet using 300 watts.

Ye Olde Fact:
Life is too short for QRP

Have fun
Peter
VE6YC   DO21wc

Date: Wed, 23 Sep 1998 18:33:49 PDT
From: "DJ Rock" <b2bn@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [20802] Yb-400 dead
Message-ID: <19980924013349.13593.qmail@hotmail.com>
Content-Type: text/plain

hello all:
My Grundig went dead yesterday and I'm really puzzeled. Ive tried fresh
batteries and running from AC, nothing happens, completely dead no LCD
or anything. Any suggestions?
Ive set a goal to pass the Morse exam by the end of October. Its finaly
starting to come together for me, somewhat. Id love to hear opinions
about the various code tutor material. Im using the 'Gordon West' Radio
Shack tapes. I guess they are okay, except that the audio quality is
really bad, for some strange reason you can hear a faint copy of the
audio just before the tone is keyed. Like a reverse delay. Very odd.

____
Get Your Private, Free Email at http://www.hotmail.com

Date: Wed, 23 Sep 1998 21:20:32 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: Jeff Grudin <grudin@pacific.vdbs.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20803] Re: Emergency Procedure Help
Message-ID: <Pine.GSO.3.96.980923211922.22934A-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

14.283 is the best. 14.310 is ok and I worked KP4DX there also. They are speaking spanish but just say your call and say you need health and welfare info. They will answer in english.

73

Richard W4MCD

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Wed, 23 Sep 1998 21:55:38 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [20804] How not to Win Friends and Influence on QRP-L!!!
Message-ID: <Pine.OSF.3.95.980923215024.9430D-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Everyone please observe how NOT to win friends and influence people on the QRP-L...

On Thu, 24 Sep 1998, (someone who should have known better) wrote:

> 5 elem home brew yagi at 35 feet using 300 watts.

Followed by THIS gem...

> Ye Olde Fact:
> Life is too short for QRP

Sheeze... Oh well... foxhunt news to follow shortly!

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

<http://www.acs.oakland.edu/~prvalko>

Date: Wed, 23 Sep 1998 20:56:48 -0500
From: Tim Ahrens <tahrens@inetport.com>
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20805] Re: QRP Afield Pictures
Message-ID: <3609A6E0.7A635AB5@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Marshall - was that a coed porta-potty in the background?! Looked
like it had 2 doors.   :)

Nice pix!

Tim W5FN

Date: Wed, 23 Sep 1998 19:22:02 -0700 (PDT)
From: Stephen Lee <slee@u.washington.edu>
To: Jeff Grudin <grudin@pacific.vdbs.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20806] Re: Emergency Procedure Help
Message-ID: <Pine.A41.3.95b.980923190628.105356A-100000@homer29.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was reading the ARLB075 which indicated there were several
radio nets in operation. The Hurricane Watch Net is on
14325 KHz. For the Antilles Net try 3815 KHz. The National
Hurricane Center Net Control is W4EHW but no frequency was
listed for this entity. The Red Cross was mentioned but again
no frequency. The bulletin also pointed out that a 48 hour
moratorium is in effect for traffic and that this was
customary when the National Red Cross was involved. Evidently
the Red Cross is leading the effort to provide emergency
services. I can copy the ARLB075 and/or the subsequent ARLB077
(Florida hurricane emergency) to the list. If you have a web
browser you most likely can view the bulletin on the ARRL's
web page. Enjoy...de AB7HI, Stephen Lee, Federal Way, WA
                              slee@u.washington.edu

Date: Wed, 23 Sep 1998 22:23:24 -0400
From: w2bj@juno.com (Barry J Minsky)
To: cw@qth.net, forsale-swap@qth.net, qrp@qth.net, qrp-l@Lehigh.EDU,
antennas@qth.net
Subject: [20807] FS: TUNER AND ANTENNAS
Message-ID: <19980923.222325.-228409.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have an MFJ 949E tuner for sale. It is in excellent condition. Price
is $100.00 plus $5.00 for shipping.

I have several of Antennas West wire antennas. I bought them when I had
a large yard and then moved. If you are interested, let me know.

72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

Date: Wed, 23 Sep 1998 22:31:31 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: wb5rue@stic.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20808] Re: How Rare is Deleware?
Message-ID: <3609AF03.BC1F91BD@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kevin Muenzler WB5RUE wrote:

>
> YEP! Delaware is at the bottom of the list.
>

I RESENT THAT !

    Come to think of it, that might be a good "theme" for one of next year's contests - everybody operate from a place named after a foreign location. Athens, Ga would count for "SV", Cambridge, Ma. would count for "G" etc etc. See if you can work "pseudo-DXCC" in six hours, using under a watt !


```
            |     VE3JC  John Cumming
     Q      |     Delaware, ON CANADA
     /\     |     jbcumming@wwdc.com
   @` /~-----     hf qrp cw bicycle mobile
  (*) \(*)        http://www.geocities.com/CapeCanaveral/Lab/7378/
```

Date: Wed, 23 Sep 1998 21:44:21 -0500
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [20809] Re: How Rare is Deleware?
Message-ID: <199809240244.VAA27372@ns3.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Delaware, I have tried for 2 years to get a QSL Card from CA. They just will not send them. I have talked to several guys out there and can not get a card. Have sent SASE's and everything. One of these days it will happen.
73,
KB0PTE
Wayne
FISTS # 4907
QRP-L # 1058

Date: Wed, 23 Sep 1998 19:54:59 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: grudin@pacific.vdbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20810] Re: Emergency Procedure Help
Message-ID: <36095213.50AEED69@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Start by listening around 14.325 where the hurricane reporting stuff
is...you might get info there.
--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Wed, 23 Sep 1998 20:05:13 -0700
From: Dave Fifield <fifield@pacbell.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [20811] Group Buy for NC20 Ten Turn Tune Pot - Volunteer Needed!!
Message-ID: <3609B6E9.59EF@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

The person who I thought was going to do the group buy can
no longer do this, so we need a willing volunteer who has
the time and inclination to organize a group buy for the
10 turn pots from the cheapest source. This will be a service
of great value and import and will guarantee you fame, but
no fortune, sorry.

Anybody want to step up to the plate and take this one on?

72, Dave Fifield, AD6AY

Date: Wed, 23 Sep 1998 22:15:32 -0500
From: Ron Keener <rkeener@realtime.net>
To: qrp-l@Lehigh.EDU
Subject: [20812] emergency help neede NOW!!!
Message-ID: <3609B954.1D04@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

please - some one who is in gulf coast area - go to 7110.60 with QRO
power - CL1PR Julio in cuba needs medical assistance - please tell him
at 5 wpm that i have contacted cuban red cross and they are trying to
contact him to give him assistance

ron wa0ree

Date: Wed, 23 Sep 1998 23:31:38 -0400
From: w4bws@juno.com (Donald E Sanders)
To: jbcumming@wwdc.com
Cc: qrp-l@Lehigh.EDU
Subject: [20813] Re: How Rare is Deleware?
Message-ID: <19980923.233307.6790.1.W4BWS@juno.com>

Great, I'll operate from Melbourne, Florida. That will count for VK
credit.
Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Wed, 23 Sep 1998 22:31:31 -0400 VE3JC - John C <jbcumming@wwdc.com>
writes:
>Kevin Muenzler WB5RUE wrote:
>> YEP! Delaware is at the bottom of the list.
>> I RESENT THAT !
>Come to think of it, that might be a good "theme" for one of next
>year's contests - everybody operate from a place named after a foreign
>location. Athens, Ga would count for "SV", Cambridge, Ma. would count
>for "G" etc etc. See if you can work "pseudo-DXCC" in six hours,
>using under a watt !
> | VE3JC John Cumming

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 23 Sep 1998 23:52:46 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20814] Re: How Rare is Deleware?
Message-ID: <5f2c1667.3609c20e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-09-23 10:33:47 EDT, you write:

<< I wondered exactly how rare is this state for
 QRP WAS? >>

 i know that Delaware is a tough catch, but some of those new england states are a killer for me....ok, heres my breakdown on working states. vermont...good lord!! where are you guys?, delaware DOES rank up there, nevada isnt garden variety either, and im still looking for north dakota as well....on the other hand....there are states i have tons of, california, florida, washington, texas and illinois...disclaimer: ill be happy to talk to ANYONE regardless of qth!
  also kind of on the subject, i regret that i will have to cancel my qrp/iota/kayak trip due to me moving back to las vegas, however, the reason is due to the fact that i was hired to play in a band and make records and money!! something i have waited 20 years for!! so i may be qrp/ bus mobile soon, activating counties and states as i go (granted all goes well, the music industry is viscious) ill keep you posted....but in a month ill be qrv from nevada, a not so common state.
  by then i (hope) to have my new vanity call, and ill be looking for new friends, and some old ones too. i will mainly do 20 and 15 and some 40, all CW.
       wish me luck :-)   ill look for you guys from nevada for CQ WW CW 98

                                  73...Adam, AB7WY
                                 Lynnwood, WA (not very rare, but ill miss it)

Date: Wed, 23 Sep 1998 22:09:56 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Tim Ahrens <tahrens@inetport.com>, qrp-l@Lehigh.EDU
Subject: [20815] Re: QRP Afield Pictures
Message-ID: <199809240409.WAA16893@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Tim--

>>Hey Marshall - was that a coed porta-potty in the background?!
Looked like
it had 2 doors.   :)
<<

I do believe you're referring to the observatory!

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
http://www.MorseX.com
(303)752-3382
--

Date: Wed, 23 Sep 1998 23:19:15 -0500
From: Ron Keener <rkeener@realtime.net>
To: qrp-l@Lehigh.EDU
Subject: [20816] re: request for help
Message-ID: <3609C843.26EE@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

i was finally able to give message to CL1PR julio that i had contacted
cuban red cross and that help was on the way - very difficult contact -
julio runs 10 watts from a russian rig and has a poor antenna system -
we had to wait until the broadcast qrm died down to finish up

very rewarding evening on the 40 meter novice band

ron wa0ree

Date: Wed, 23 Sep 1998 21:28:48 -0700
From: W7LS <w7ls@blarg.net>
To: rkeener@realtime.net
Cc: qrp-l@Lehigh.EDU
Subject: [20817] Re: request for help
Message-ID: <3609CA80.11F9@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good job, Ron! This is one good reason that cw proficiency is needed. You had a situation where copy was tough. Too tough for ssb, I assume?

Jim W7LS

Ron Keener wrote:
>
> i was finally able to give message to CL1PR julio that i had contacted
> cuban red cross and that help was on the way - very difficult contact -
> julio runs 10 watts from a russian rig and has a poor antenna system -
> we had to wait until the broadcast qrm died down to finish up
>
> very rewarding evening on the 40 meter novice band
>
> ron wa0ree

Date: Wed, 23 Sep 1998 22:10:53 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [20818] Headphones on sale at R/S
Message-ID: <19980923.221054.3494.0.gsurrency@juno.com>

Gang,

I was in the Shack store last week and picked up a personal stereo for my XYL's birthday and there was a sale on the Nova 43 headphones. Now, the XYL had seen the Sony MDR-A30G (yellow folding pod-type jobs) in-the-ear headphones at Circuit City earlier, and she really liked and wanted those.

But the R/S saleman brought over the Nova 43's (catalog #33-1125) to demo the little Optimus AM/FM personal radio, (catalog #12-792) so I tried them and liked the comfort, sensitivity, and design. Plus, they were only

$9.95 and have pretty solid construction with a right angle gold plated 3.5 mm stereo plug. The claimed response is 20Hz - 20 KHz. They are normally $19.95, and include a gold-plated 3.5mm-to-1/4" adapter.

Man, are those things sensitive! I tried them on my Norcal 38 Special today to see how they perform, and they beat out the Sony MDR-25 I already had and an old pair of R/S Nova 34 headphones, and the wife's new Sony MDR-A30G.

The DC resistances I measured on each channel, Common to L or R are:

Sony MDR-A30G 16 ohms
R/S Nova 34   33 ohms
R/S Nova 43   36 ohms

The Nova 43 unit has comfortable foam pads, and a nice mylar diaphram. Neither of the other listed headsets have near the volume of the Nova 43. When used with the L & R channels in series as most of us have recommended on the 38S, the loudness is remarkable. You'll think you have a LM380 in the 38S instead of the wimpy NE5532 it really has! ;-)

So if you are looking for a cheap pair of very sensitive headphones for your 38S or other low-audio output rig, these should do the trick for you. I have to turn down the RF gain on my 38S on *most* signals, and any weak signal the rig can detect is easily audible with them. The difference in volume level compared to the other headphones I listed above is simply incredible! The Nova 43 is at least twice as loud!

I have yet to try them on my SW30+ and SW40+, but they really aren't low in audio as-is. The Nova 43 may be *too* sensitive for the SW rigs, but may work better with the LMC662N CMOS audio chips I got from the group buy. Dunno yet.....Might blow my ears off - even with the diode limiter in the audio stage. =8^o

My only gripe would be that the cord is not as flexible as most, but it is not too bad once the kinks have been worked out of it from the twist-tie that it was shipped in.

Try 'em if you need some real sensitive headphones. They really bring up the volume big-time! :-)

Disclaimer:

I'm not affiliated with Radio Shack in any way. This just seems like a good deal to me, and they work very well.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 23 Sep 1998 22:26:15 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [20819] Thanks for all the ideas on emergency procedures
Message-ID: <3609D7F6.E1BA4710@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks everyone for the help. Way too many to thank individually. Lots
of good frequencies to listen to, and web pages. I was able to get a
message sent on a traffic net. Unfortunately the bands were bad tonight
and and heard nothing on the emergency frequenies. will listen again in
the AM.
--
73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: http://www.vdbs.com/~grudin
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Thu, 24 Sep 1998 07:23:24 +0100 (BST)
From: John Fletcher <johnf@innotts.co.uk>
To: G QRP Club <gqrp-l@blacksheep.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20820] Cordless phone chip question.
Message-ID: <199809240623.HAA14825@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

I have a cordless telephone base unit containing an FM
receiver on 47.5 MHz and I'd like to move it to 50 MHz.
The IF amplifier is an MC 3359 and I've found data on
that, but the front end is a 9 pin single-in-line chip
marked LA1185 CM7 and I can't find any reference to it

on the web. There is no maker's mark. The board came
from a Fidelity 10 memory cordless phone made around 1984
to UK specification. I want to replace the crystal
oscillator (one side of crystal goes only to pin 8,
the other side to ground via 10 Ohms and 100 nF in
series and to positive supply (on pin 9) via 2.2 uH
choke) with a huff-and-puff stabilised LC oscillator
on 39 MHz. Any info would be gratefully received.

73 de John G4EDX

Date: Wed, 23 Sep 1998 23:33:25 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20821] Not QRP: CP Backup?
Message-ID: <000b01bde785$3cd80aa0$1a4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks -

I found some old back up disks (about 30 actually - pre tape drive), and I
was curious to see what were on these disks. Perhaps (I thought), I might
be able to restore some lost files from my infamous hard drive crash of last
year.
Unfortunately, it looks like these disks were backed up from a WIN 3.11
machine, using the CP Backup program, which I no longer have.

I believe that this program is no longer available because Central Point
Software was bought out by some other software company a while back.

Does anyone happen to have this program? I already tried using the WIN98
restore program on these disks, and (of course), they could not be accessed.

Thanks!
Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298
IPhone = "N7MFB" (Ham Radio conference)

Date: Thu, 24 Sep 1998 06:42:54 -0400
From: mikemo@ibm.net
To: b2bn@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20822] Re: Yb-400 dead
Message-ID: <360A222E.42FD@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

DJ Rock wrote:
>
> hello all:
> My Grundig went dead yesterday and I'm really puzzeled. Ive tried fresh
> batteries and running from AC, nothing happens, completely dead no LCD
> or anything. Any suggestions?

Well, if it is totaly dead, it may be easy to fix. More than likely it
is somthing in the power supply cirucit. Do you have a schematic? I
picked up a yb-400 at a hamfest recently that had a bad display. I was
able to clean and retension the LCD connections and repair it. I did
find out where to send it to get it repaired in the US. I've got that
info at work. If you want it I'll send it to you.

> Ive set a goal to pass the Morse exam by the end of October. Its finaly
> starting to come together for me, somewhat. Id love to hear opinions
> about the various code tutor material.

Do you have a computer? If so there are a bunch of really good programs
for learning morse. I used Ham University, very good program. It also
will quiz you on the test questions.

GL
72 de ku4qo, Mike Maiorana, Palm Harbor, FL, (currently not in the gulf
;-)

Date: Thu, 24 Sep 1998 06:44:45 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [20823] Delaware
Message-ID: <19980924114408.AOU22019@[209.18.27.184]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

What's hard about Delaware? Must have worked it 40 times.

Secret -- I am just the right distance for Delaware on 40
meters.

Also, I agree with the fellow a bit on qro -- man, there is nothing
more boring than listening to a dead band with a 2 watt rig.
Guess I'm a fair weather friend. At such times I go to (gasp)
30 watts, or even 100 (terror).

Somehow I didn't think this group was set up to knock high
powered people, but to promote qrp. Strike me as different goals,
but if you want to hate qro people, you've got a lot of customers!

73 jerry w8gnd

Date: Thu, 24 Sep 1998 07:28:16 EDT
From: BADDBadger@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20824] Re: Am audio (overmod- shunt feed)
Message-ID: <1e803d52.360a2cd0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

A variation of high-level plate modulation not yet mentioned was shunt-fed. For those unaware, the dc current to the final stage is supplied through a iron-core "power supply type" inductor (choke) and the audio power output from the modulation transformer is fed to the final by means of a hefty capacitor to the plate side of the choke. Dc-core saturation of the modulation transformer is thus avoided and a much physically and electrically smaller modulation transformer is required. The electrical parameters of the capacitor/choke should be properly sized for adequate low-frequency audio response and be able to operate at the plate voltage and current levels of the final modulated stage.

In retrofits, the modulation transformer is the generally the weakest link.

In a message dated 9/22/98 12:50:21 AM, RABRUNER@aol.com writes:

>>Currently, there is NO prohibition to using "Super Modulation"
>>or "negative cycle loading" on the amateur bands. FCC regs DO
>>require spectrum bandwidth conservation considerations, however.
>
>Karl,
>   I should not have been so direct in my statement. It is very difficult
>after all, to find a QRP tie-in for a discussion that is rooted in high
>level
>plate modulation! The distinction between the amateur case and the
commercial
>case during the period referred to in my post would be that there is no
>explicit language permitting supermodulation and defining it. I know some
>of
>those good ole boys on 75 and elsewhere are using converted broadcast
>equipment including audio processing gear, and can probably develop some
>asymmetrical modulation.
>   As a practical matter, many of those old vacuum tube boat anchor
>transmitters were not very good at supermodulation. They were not designed
>for it and did not have the reserve of power supply and modulator iron
>to
>develop much extra modulation without distortion, and when driven to it
>spread
>popcorn all over the place. A lot of amateur AM rigs with which I am
familiar
>just don't have the gas to make much over 100% modulation either.
>   When you develop asymmetrical modulation by clipping negative audio
>peaks
>before feeding them into the transmitter, several problems occur which
>might
>put you at odds with the Rules in any case. One is that the negative peak
>clipping is itself audio distortion and hence likely to produce some
splatter.
>Second, it takes a very good audio amplifier of any type to pass through
>a
>hard clipped waveform without tilt or overshoot -- let along something
>as
>crude as an all transformer coupled modulator, and that tilt and overshoot
>may
>be enough to allow negative peaks to overmodulate anyway and cause some
>very
>wide splatter. Lastly, as you observe, the asymmetrical modulation process
>itself causes some splatter which may be at odds with at least the spirit
>of
>the regulations concerning purity of emissions. It's only necessary to
>use a
>general coverage receiver with the AGC off (we want to be fair, after all)
>and

>tune around either side of some of the really loud AM stations in your
>area to
>hear to kind of sins supermodulation can commit in the name of "getting
>out."
>
>73
>Bob Bruner
>WB4TAJ/9
>Chicago

Date: Thu, 24 Sep 1998 09:24:34 -0400 (EDT)
From: afpgreg@state.me.us (Paul V. Gregory)
To: qrp-l@Lehigh.EDU
Subject: [20825] Tuff rigs
Message-ID: <199809241324.JAA20416@gatekeeper.ddp.state.me.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ahoy,

Recent discussion on waterproof, tuff rigs leads me to wonder if any fellow SouthCom 120D users are on this list. Folks dreaming for such rigs may wish to consider one, tho I believe they're no longer manufactured.

Mine's ideal for island hopping here off coast of Maine via kayak...but NOT for operation WHILE IN the kayak which is insane. Mostly I use it the shack during winter power outages. Very solid ALL-MODE 2-10 mcs rig, with provision for built-in or external batteries. Built-in speaker or use handset. Built-in antenna tuner for wire or 52 ohm coax output via BNC. And waterproof, supposedly to several feet.

Downsides: Kinda QRO-ish, however, putting out about 10-15 watts. Not small either--about 10" h x 10" w x 3" h, but NOT heavy. Also is it's 23-channel xtal controlled (using a modest VXO) and it has a W I D E rx--typical for military radios. A later version had a VFO.

I understand they're used in Canada, routinely lent to hunting/fishing parties when flown into remote places. Nothing complicated about using them, so they're ideal for this purpose.

If interested, check out a recent "Janes" survey (same UK publisher as "Janes" survey on worldwide military ships, aircraft and weaponry) which covers military radios. Oh yeah, mine's not for sale.

--N1ZR

P.S. Any ANG/109 users lurking? Now there's QRP with style!

Date: Thu, 24 Sep 1998 09:34:33 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [20826] Op from foreign locations
Message-ID: <23406@w4bkx.ampr.org>

What would Jupiter, FL count for?
or Mars, PA ?
(Jupiter - good fishin')
(Mars - good Auto Junkin')
Speaking of fishing, I don't think I'd want to be in Marathon (SV - Greece)
right now! or Naples (I) , Panama City (HP) or St. Petersburg (UA1) either.
All are in "Hurricane Alley".

de Scott / W4PJ

Date: Thu, 24 Sep 1998 09:26:26 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: Stephen Lee <slee@u.washington.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20827] Re: Emergency Procedure Help
Message-ID: <Pine.GSO.3.96.980924092556.28589A-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

W4EHW is the Miami Hurricane Center and is on 14.325 only.

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Thu, 24 Sep 1998 13:53:05 GMT
From: nhoop@centuryinter.net (N H)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20828] "Considerate Operators"?
Message-ID: <360d4bb8.6252468@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Trying to get my speed back after far too many years of being busy elsewhere, I hang around 7.110 as it is listed as "QRP Novis/Tech CW calling freq." Some of the happenings there do not fit MY view of "Considerate". I'd apreciate your opinions.

1. People call CQ (or chat) at speeds way up over 20 wpm.

2. Someone replies to a CQ call by tuning up...right on 7.110.

I'n not throwing rocks at anyone. The only reason "I" know 7.110 is a QRP calling freq. for us beginners is because I stumbled on the "Considerate Operator's Frequency Guide" page in the ARRL Ham Desktop Reference.

72 Nat KM5QU
Oxford AR

Date: Thu, 24 Sep 1998 09:50:05 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [20829] Hating QRO People
Message-ID: <23410@w4bkx.ampr.org>

I think I remember one of the rules...maybe #1 rule.
Use minimum power for reliable communication.
If that means <1W, great!
If that means 1.5KW so be it!
If one needs to make solid contact with someone in the affected areas of Hurricane Georges, I surely hope that more than QRP is available to ensure reliable communication.

de Scott / W4PJ

Date: Thu, 24 Sep 1998 07:03:48 -0700
From: "Radman" <radman@best.com>
To: <johnf@innotts.co.uk>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20830] Re: Cordless phone chip question.
Message-ID: <199809241400.HAA26705@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hi John,

The LA1185 appears to be an older FM/AM TUNER AMPLIFIER
IC. Try contacting: D nberg-Electronics Ltd, in Ireland.
They list the component on their web warehouse and my be
able to get you a data sheet. URL:
http://www.donberg.ie/profile.html (then click on "search
warehouse") The CM7 suffix, however, doesn't show up on
any searches I've done. I'll bet it's a plain vanilla amp
IC. Perhaps, someone on your side of the pond will have
more familiarity with it -- as it appears to be an
"import" from a Yanks perspective ;-) !

GL & let us know,

72 - Conrad Weiss - NN6CW

****
>>>The IF amplifier is an MC 3359 and I've found data on
that, but the front end is a 9 pin single-in-line chip
marked LA1185 CM7 and I can't find any reference to it
on the web. There is no maker's mark. <<<<<

Date: Thu, 24 Sep 1998 10:04:57 -0400 (EDT)
From: klhartman@lucent.com
To: qrp-l@Lehigh.EDU
Message-ID: <199809241404.KAA15759@nsgqs.cb.lucent.com>
Content-Type: text

QRPTTF, I must have had a good time cause I want to do it again.

Adena Ridge off of Coonpath Road in Fairfield county, Ohio has good elevation, but wasn't available. On its north slope, 70 ft lower, was a clearing fairly free of poison ivy, surrounded by tall pine towers, I mean trees. I told myself, this is better than being on the ridge making like a lightning magnet. It had showered earlier and the static crashes told of more nearby. Several tries with the bow and arrow were needed to anchor the ends of my new 40 meter dipole, which was made of real copper wire, not the usual electric fence steel. The copper was a strand from a piece of salvaged 3/0 electrical cable. A tarp provided rain and sun shelter.

The previous day at work I had set the output of my SW-40+ to something between .9 and 1 watt. The multiplier made me do it and I'm not much of a contester (operator). Shortly after 1800Z I found that everything worked. I almost stopped there, but I heard others calling and patiently urging an exchange. I thank them for tolerating my fist of limited dexterity. It was an enjoyable learning experience and I hope to do it again soon.

Twenty meters was a bust due to conditions and a forgotten paddle adapter. After I tore down the station at 2400Z the rain returned. QRP life is good. Thanks to all making this possible.

72,
Kaye Hartman, K8GZ Lancaster, Ohio klhartman@lucent.com

Date: Thu, 24 Sep 1998 10:07:34 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <qrp-l@Lehigh.EDU>
Cc: <embedded_research@juno.com>, <w7ls@blarg.net>
Subject: [20832] New QRP Rigs
Message-ID: <199809241407.KAA49706@pimout4-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi guys,

Jim mentioned a tough multi-band rig.

Rick Littlefield K1BQT asked me months ago what I thought hams may want, and I told him a multi-band rig for 10M and 15M if possible easily, and a

10M/15M SSB rig in the same class as the 20M and 40M SSB travel radios.

Think a rig or rigs like those would sell like hotcakes.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Thu, 24 Sep 1998 10:39:22 -0400 (EDT)
From: Bernard A Doehner <bad2@rfc.comm.harris.com>
To: qrp-l@Lehigh.EDU
Subject: [20833] Rick Littlefield and Radiokit kits.
Message-ID: <Pine.A32.3.90.980924103718.18040B-100000@fep01.rfc.comm.harris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang:

For my next kits I am looking toward really really tiny radios. LOONG
time for my first kit I had started (and miserably failed on a Radiokit).
Now that I have the skill I'd like to try again.

Have any of you built Radiokit kits? How did they perform? Web sites?

Same thing with Rick Littlefield kits I saw his 20 meter one at a hamfest
in NH long time ago and was VERY impressed by the design/size...

THANKS!

Bernie nu1s/2

Date: Thu, 24 Sep 1998 10:47:21 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [20834] Re: How Rare is Delaware?
Message-ID: <360A5B79.1F20@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<< I wondered exactly how rare is this state for QRP WAS? >>

Larry Roll, K3LT, a friend of mine, lives in Dover, DE. He is a CW op who can supply 2X QRP contact with DE and he QSLs 100%! :-)

He has an irregular schedule, so he asks that you contact him by email, give him a telephone number, for a collect call when he knows he can be on the air. Contact yodoc@aol.com.

BTW, I ran an ICEPAK/IONCAP analysis for 10/1/98, assuming a sunspot # of 125. It showed the following propagation to Delaware:

>From the West Coast (LA and Seattle about the same):
14 MHz, 0000-0500 UTC, good
14 MHz, 0500-1200 UTC, very good
21 MHz, 1500-0000 UTC, very good
28 MHz, 1700-2000 UTC, excellent, a 1 watt signal should be about S8 with dipoles on both ends

>From Denver
14 MHz, 2300-0800 UTC, good
14 MHz, 1200-1500 UTC, good
21/28 MHz, 1300-1600 UTC, good
21/28 MHz, 2000-0200 UTC, good
21/28 MHz, 1600-2000 UTC, excellent

>From Kansas City:
14 MHz, 1200-0200 UTC, good
21 MHz, 1600-2100 UTC, very good
28 MHz, nil

>From Tampa
14 MHz, 1200-0400 UTC, good to excellent, with peaks at 1230 and 0100
21 MHz, 1300-2300 UTC, very good
28 MHz, nil

I will post the URL where the really neat ICEPAK/IONCAP for Windows program can be downloaded for free!

72,
Ed, W1RFI
ARRL Lab

Date: Thu, 24 Sep 1998 09:44:23 -0500
From: Ron Keener <rkeener@realtime.net>

To: nhoop@centuryinter.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20835] Re: "Considerate Operators"?
Message-ID: <360A5AC7.513A@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

nat - i am around 7111 almost every night at 0200z listening for weak signals and calling cq - i will be glad to qso with you any time - note that i sign 'K' rather than 'KN' - please join in - round tables are a challenge but are fun when successful - just send a string of 'dits' to break in

my presence there last nite was especially rewarding - CL1PR Julio in cuba needed medical assitance - i was able to contact cuban red cross and send help his way - all because i was listening to the QRP calling frequency

see you there tonite

ron wa0ree

Date: Thu, 24 Sep 1998 10:52:57 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [20836] Propagation analysis software
Message-ID: <360A5CC9.272C@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow QRPers,

As QRPers, we have to pay close attention to propagation. To take the guesswork out of that last rare state or country, you can analyze propagation and make sure that you are on the air when you need it most.

The Windows version of IONCAP is avaiable for free download from

http://elbert.its.bldrdoc.gov/hf.html

This is on the US Deparment of Commerce, NTIA page. I have installed it

on my office machine and it works great. Give it a try; it has taught me more about propagation that anything else I could imagine. I use the ICEPAC and ICEAREA programs to analyze what time of day my signal will peak to a particular area, or to see a really detailed propagation map for any particular time of day/frequency.

73,
Ed, W1RFI
ARRL Lab

Date: Thu, 24 Sep 1998 09:59:42 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [20837] RE: How Rare is Delaware?
Message-ID: <19980924145944804.AAA284@muenzlerk>

This is really great!

I have an idea.

Why don't we try this with all the "rare" states? I
 don't know that it is in the real "spirit" of
WAS award but it sounds like a pretty good idea.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Ed Hare, W1RFI
> Sent: Thursday, September 24, 1998 9:47 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: How Rare is Delaware?
>
>
> << I wondered exactly how rare is this state for QRP WAS? >>
>
> Larry Roll, K3LT, a friend of mine, lives in Dover, DE. He is a CW op
> who can supply 2X QRP contact with DE and he QSLs 100%! :-)
>
> He has an irregular schedule, so he asks that you contact him
> by email,
> give him a telephone number, for a collect call when he knows
> he can be

> on the air. Contact yodoc@aol.com.
....
> 72,
> Ed, W1RFI
> ARRL Lab
>
>
>

Date: Thu, 24 Sep 1998 11:21:25 EDT
From: RABRUNER@aol.com
To: BADDBadger@aol.com, qrp-l@Lehigh.EDU
Subject: [20838] Re: Am audio (overmod- shunt feed)
Message-ID: <6a84b6c0.360a6375@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 9/24/1998 6:30:04 AM Central Daylight Time,
BADDBadger@aol.com writes:

> A variation of high-level plate modulation not yet mentioned was shunt-fed.
> For those unaware, the dc current to the final stage is supplied through a
> iron-core "power supply type" inductor (choke) and the audio power output
> from
> the modulation transformer is fed to the final by means of a hefty
capacitor
> to the plate side of the choke.

Karl,
     Almost all AM broadcast transmitters with high level plate modulation use shunt fed modulators. The savings in transformer iron are just too great to do it any other way. There is no dc in the secondary of the transformer, and since the primary is always fed push-pull, there is no net dc in the primary either, so, as you point out, you can use a lot smaller transformer for the same audio performance. This does raise and issue with super modulation. One artifact of the asymmetry of super modulation is that a dc component is added to the audio, which would have some tendency for increased core saturation in the transformer. I don't know of any studies that were done on this topic, but it must have come up as a part of the various investigations done on this before the rule making. I think most amateur designs, and especially low powered designs, used series feed. They don't need to maintain as much low

end as broadcast transmitters and could tolerate a little more core saturation.

Most present day broadcast rigs finesse the problem altogether by using other forms of modulation. Pulse width modulation of some sort is the most popular, no big modulator iron at all. Even in the old days, there were low level modulated class B amplifier transmitters, RCA's ampliphase modulation, and Western Electric's Doherty amplifier and all its variations including what came to be LTV Continental's high level screen modulation. If one were going to build a low powered (QRP level) AM transmitter today, the best way to do it would be with something like a multiplier chip and a small linear amplifier. Due to the relatively small powers involved, the inefficiencies of the class B amplifier wouldn't be too much of a handicap. Glowbug transmitters could be built using either heising modulators or clamp tube modulators, a la the old Heathkit low power rigs such as the DX-40 and DX-60. I wonder what you could get out of a screen modulated 6CL6?

73

Bob Bruner
WB4TAJ/9
Chicago

Date: Thu, 24 Sep 1998 11:24:14 EDT
From: ARDUJENSKI@aol.com
To: wb5rue@stic.net, owner-qrp-l@Lehigh.EDU, qrp-l@Lehigh.EDU
Subject: [20839] WAS WEEKEND
Message-ID: <3073e968.360a641e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

KEVIN,
Along the lines you discussed about rare states, it would be great to have a WAS weekend.A time when we would have a best chance for making the RARE states. Start Friday nite and go thru Sunday nite. Certificate for QRP X QRP WAS and QRP MIXED WAS.Conditions are getting ripe for this.

Alan KB7MBI

Date: Thu, 24 Sep 1998 11:14:04 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>

To: Kevin Muenzler WB5RUE <wb5rue@stic.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20840] RE: How Rare is Delaware?
Message-ID: <Pine.GSO.3.96.980924111224.29710B-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Montana is real hard too. So was Hawaii (from VIrginia) until I worked 2
of em on 15. Now I hear them all the time.

Rhode Island is hard to get also.

73 and 72,

Richard

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Thu, 24 Sep 1998 10:42:03 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [20841] RE: How Rare is Delaware?
Message-ID: <19980924154205120.AAA332@muenzlerk>

Yeah, I can understand this kind of thing. For Louisiana,
Oklahoma, Arkansas and New Mexico were pretty hard because
I spent most of my time on 15 meters. I didn't have room
for a 40 meter dipole when I first got into ham radio.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Richard Brittingham
> Sent: Thursday, September 24, 1998 10:14 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: How Rare is Delaware?

>
>
> Montana is real hard too. So was Hawaii (from VIrginia) until
> I worked 2
> of em on 15. Now I hear them all the time.
>
> Rhode Island is hard to get also.
>
> 73 and 72,
>
> Richard
>
>
>
> _____
>
> Amateur Radio Operator as WD4AEF for 22 years
> Now Vanity Call is W4MCD
>
>
>
>

Date: Thu, 24 Sep 1998 08:45:35 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <bad2@rfc.comm.harris.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20842] QRP-L tutorial, ex: Radiokit
Message-ID: <102701bde7d2$61432260$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NU1S asked about Radiokits, and I remembered that there was a lot of
discussion on the list over the last few years.

Here's how I retrieved that information:

My memory being what it is, I couldn't remember the exact commands for
searching the QRP-L archives, so I went to the QRP-L web site at
http://qrp.cc.nd.edu/qrp-l , where I clicked on "club information" and

then selected "Welcome message". You may remember receiving this when you signed on to QRP-L.

Reading down the welcome message, I came across the instructions for searching the archive. Following the instructions, I sent off a message to listserv@lehigh.edu (NOT qrp-l@....) with the command, "search qpr-l/archives/1997 "radiokit".

A few minutes later, I got a nice email back with a list of approximately 90 messages covering 30 days in 1997, along with the first line of each message. I scanned down the list and recognized a message I had sent last year about the foxhunt and the famous radiokit, which was included in archive file "970305".

So I sent my browser off to ftp://ftp.lehigh.edu/pub/listserv/qrp-l and clicked on the "archives" subdirectory, then "1997". I selected "970305" for download, unzipped it, and had a full day's digest of QRP-L from March 5 1997. I opened it with Notepad, searched the text for "Radiokit" and there was the posting that I was looking for -- the first fox caught with the infamous debug contest Radiokit.

So, when next you need info on a QRP topic, not only can you get the benefit of thousands of on-line experts, but you can consult the ghosts of QRP past as well.

Mike K1MG

Date: Thu, 24 Sep 1998 11:47:29 -0400
From: "Larry Laffoon" <w3rl@email.msn.com>
To: <qrp-l@Lehigh.EDU>
Subject: [20843] TT 1254 & 405 are sold!
Message-ID: <002c01bde7d2$a358dbe0$39582399@rlaffoon>

My thanks to all who responded! The Ten Tec 1254 SWL and Ten Tec 405 amp are sold. 73, de Larry

---

Date: Thu, 24 Sep 1998 08:57:04 -0700
From: "Radman" <radman@best.com>
To: <ryan@e-etc.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20844] Re: Radio Shack DX394 closeout
Message-ID: <199809241553.IAA03644@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Did you guys know the *original* *original* original price
of the RS DX-394 was (gasp) $399.99 (US)? It's true! I
have the exact page of my archived 1996 RS catalog open
before me. No, I don't own the radio... can't tell you
anything about it, other than they're half-price now ;)

and, no I don't own stock... :-)

GL to all,

72 - Conrad Weiss - NN6CW

****

Actually the original *original* price was $299, when it
first
came out. I just picked one up for $169 at my RS, it is a
good
deal. Better hurry if you want one, they told me there are
only
like 10 left in the country, and I think they are all
display
models. They had to ship one in for me.

Ryan

Rex E Pickett wrote:
> There is a review of the RS DX394 on page 77 of October
1997 QST.
> Purchased one for $200 in June, original price $250 so
$160 is a
> bargain.

Date: Thu, 24 Sep 1998 09:00:22 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20845] QTTF vs QAF
Message-ID: <360A0A26.F163352D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've seen some postings recently that are mislabled, and sure don't want
to see anyone gain or lose credit for a fine contest.

QTTF/QRPTTF is QRP To The Field, which is conducted in the Spring, and
sponsored by NorCal.

QAF or QRP Afield is in the late Summer or early Autumn and is sponsored
by the New England QRP Club.

Both groups do a fine job in promoting their events.

This is just to clear up some confusion, and to enlighten those new to
the list.
--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Thu, 24 Sep 1998 09:13:51 -0700
From: "Radman" <radman@best.com>
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [20846] Re: QRP-L tutorial, ex: Radiokit
Message-ID: <199809241610.JAA23361@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike et al,

Thanks for the excellent tutorial on knowledge-drilling
for Radiokits. Whilst you were up to that, I was surfing
for any known presence of the company itself. I dialed up
their old number in NH and got hold of a sleepy-sounding
guy who told me his number *used* to be Radiokit's number.
He had no knowledge of where or if they are today. Their

business number does appear on "Switchboard" but, NH
directory assistance has no listing in the state of NH.
Anyone know if they're still around?

Thanks in advance,

72 - Conrad Weiss - NN6CW

Date: Thu, 24 Sep 1998 09:26:25 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Michael Tracy" <mtracy@arrl.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20847] Re: Not QRP: CP Backup?
Message-ID: <002701bde7d8$1420fba0$214ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Hi Bill,
>   Central Point was bought out, along with competitors Norton Utilities
>and Xtree, by Symantec Corp.

HI Michael -
Right you are about Symantec. I knocked around their web site last night,
and the only mention of CP Backup was a text file saying that it doesn't
work with WIN95. Perhaps a call to technical support (to Symantec) would
let me know if one of their other products would read the backup disks.

CUL, Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298
IPhone = "N7MFB" (Ham Radio conference)

Date: Thu, 24 Sep 1998 09:16:34 -0700
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: qrpl <qrp-l@Lehigh.EDU>
Subject: [20848] Differences on CW vs Single tone SSB?
Message-ID: <360A7062.2BE1F419@email.mot.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been playing with things and was just trying to explain
what I am seeing.

Is there any real difference between a CW signal and a single sideband
single modulated with a single tone? Take for example a CW carrier
at 7.040.600 and a USB signal at 7.040.000 with a 600 Hz tone.

I can see the signals don't at all look the same on the 'scope.
CW has a constant signal level, the SSB looks amplitude modulated.
However, I was just wondering if they are mathematically (somehow)
equivalent?

Do they look the same to a spectrum analyzer?

Thanks for helping me figure this one out!

- Dan Tayloe, N7VE, Phoenix, Az, Az ScQRPions, QRPL # 696

Date: Thu, 24 Sep 1998 12:25:36 -0400
From: hamjoel@juno.com (Joel M Denison)
To: qrp-l@Lehigh.EDU
Subject: [20849] HAAAAAALLLLLLLPPPPPP..... MAYBE?
Message-ID: <19980924.122843.-497569.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hIGHEST hello to everyone... u 2 Bill
     Weld I gone and got a ham comm device and would really apreciate if
anyone near or far could give me a hand in learning this situation....
     I wants to get my qrp+ to start receiving sstv and rtty and all that
jazz... might even attempt to send some of it when the bands clear up...
     now an't those band conditions sumpthin... Reminds me of a date I had
once... :-)
bye now
joel in maine looking for pictures on my qrp+ or ++ or whatever the black
box is called... :-)

_____
You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 24 Sep 1998 11:51:12
From: Steven Weber <kd1jv@moose.ncia.net>
To: b2bn@hotmail.com
Cc: qrp-l@Lehigh.EDU
Subject: [20850] Re: Yb-400 dead
Message-ID: <3.0.3.16.19980924115112.38a7ede2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>My Grundig went dead yesterday and I'm really puzzeled. Ive tried fresh
>batteries and running from AC, nothing happens, completely dead no LCD
>or anything. Any suggestions?

If the radio has a removable AC cord that plugs into the back of the radio, there is a built in switch to automaticly select AC or DC power. Very often, stress on the plug causes the solder connections to crack on the DC switch. Take it apart (often easier said than done) and check those connections.

Also, it is not uncommon for the power switch to fail, especially the multi-function slider type. Generally nearly impossible to find an exact replacement, so I generally wire in a toggle switch, if there is room for it some place.

If those two areas are okay, then there might be a shorted aluminum electrolitic cap in the voltage regulator circuit. Good luck finding that.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 24 Sep 1998 11:42:38 -0600 (MDT)
From: marion@montana.com
To: rbritt@visi.net
Cc: qrp-l@Lehigh.EDU
Subject: [20851] RE: How Rare is Delaware?
Message-ID: <199809241742.LAA01702@paw.montana.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 11:14 AM 9/24/98 -0400, you wrote:
>Montana is real hard too. So was Hawaii (from VIrginia) until I worked 2
>of em on 15. Now I hear them all the time.
>
Anyone who needs Montana let me know. Roy AB7CE

Date: Thu, 24 Sep 1998 09:50:12 -0700
From: "Radman" <radman@best.com>
To: <bill@willapabay.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20852] Re: Not QRP: CP Backup?
Message-ID: <199809241646.JAA15120@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Another way to go,

A product that appears to include CP backup is IBM PC DOS
-7. (Perhaps easier to track a copy of this one down on
this list.) Check out URL:
http://tcp.ca/July95/PCDOS7.html

GL - 72 - Conrad Weiss - NN6CW

****
Right you are about Symantec. I knocked around their web
site last night,
and the only mention of CP Backup was a text file saying
that it doesn't
work with WIN95. Perhaps a call to technical support (to
Symantec) would
let me know if one of their other products would read the
backup disks.

CUL, Bill-N7MFB

Date: Thu, 24 Sep 1998 09:53:04 -0700 (PDT)
From: Stephen Lee <slee@u.washington.edu>
To: Radman <radman@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20853] Re: Radio Shack DX394 closeout
Message-ID: <Pine.A41.3.95b.980924094013.6486A-100000@homer35.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There's a very good website put out by Radio Netherlands
which has a darth of reviews on various SWL radios, including
the DX394. Bookmark this: http://www.rnw.nl/realradio/dx394.html

Also, there is another review, block diagram, info on its filters,
and a simple mod to its noise blanker that purportedly reduces
crosstalk, all this at: http://nwlink.com/~bolesn/DX394.htm

Enjoy! de AB7HI, Stephen Lee, Federal Way, WA

Date: Thu, 24 Sep 1998 12:18:58 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <Dan_Tayloe-P26412@email.mot.com>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [20854] RE: Differences on CW vs Single tone SSB?
Message-ID: <19980924171900348.AAA162@muenzlerk>

Theoretically they are identical, assuming your equipment
is working properly. Let's say that you tune your SSB
transmitter to 7.040 MHz. You inject the "CW" signal
into the microphone. Your signal is 800hz, USB. You
would be transmitting a "single" frequency "carrier"
at 7.040 Mhz - 800hz or 7.040800 MHz. If you were
transmitting LSB the signal would come out on 7.039200 MHz.
The person on the other would be none the wiser.

I've used this technique with my Yaesu FT-890 to
send TTY/FSK. I feed the tones into the microphone
and out comes "FSK." The only "problem" is that the
resulting transmitted signal is 100% duty cycle.
Most SSB rigs can't handle this so be careful if
you try this.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Dan Tayloe-P26412
> Sent: Thursday, September 24, 1998 11:17 AM
> To: Low Power Amateur Radio Discussion
> Subject: Differences on CW vs Single tone SSB?
>
>
> I have been playing with things and was just trying to explain
> what I am seeing.
>
> Is there any real difference between a CW signal and a single sideband
> single modulated with a single tone? Take for example a CW carrier
> at 7.040.600 and a USB signal at 7.040.000 with a 600 Hz tone.
>
> I can see the signals don't at all look the same on the 'scope.
> CW has a constant signal level, the SSB looks amplitude modulated.
> However, I was just wondering if they are mathematically (somehow)
> equivalent?
>
> Do they look the same to a spectrum analyzer?
>
> Thanks for helping me figure this one out!
>
> - Dan Tayloe, N7VE, Phoenix, Az, Az ScQRPions, QRPL # 696
>
>

Date: Thu, 24 Sep 1998 11:18:24 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@Lehigh.EDU
Subject: [20855] "Rare" WAS states
Message-ID: <199809241718.LAA02466@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have found the best way to work rare states for WAS is a contest. QRP
works well and you just have to dive in and get your feet wet, listen until
you get the exchange down if they are going too fast for you and then send
your call. Remember contest operators cannot win if they do not make every
possible Q.

Two of the best WAS contests are coming up soon, ARRL Sweepstakes for both phone and CW.

It only took two ARRL 160 contests for me to fill in the blanks to make WAS 160 QRP.

72, Bob KI0G

Date: Thu, 24 Sep 1998 17:29:16 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20856] Morse Academy Manual. Delaware...
Message-ID: <360A816C.4E57@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's nice to have a manual with the software. HTML and PDF versions available.

I found the Morse Academy Manual at the following location: http://www.speroni.com/manual/manual.pdf

Of course you'll need the Adobe Acrobat reader.

The manual is copyright but permits free distribution for non-commercial use.

The HTML version is available as well for on-line viewing at: http://www.speroni.com/manual/manual.html

For those wishing to view their webpage:
 http://www.speroni.com/AH0A.html where Morse Academy software is available.

I was also intrigued by the recent "Rare States" discussion, e.g. Delaware etc. There is a compilation on this web page that breaks Stated down by class of license as well!!

http://www.speroni.com/FCC/States.html

And it shows District of Columbia with the least amateur Stations

per 1000 in that area. With DE at 2.1 stations/1000 individuals.

There are many states with less hams per capita. Interesting...

Hope this is useful.

No connection etc...
 "72" de WE6W/Ed/QRP CW only. Es Les Logan Bug.
--
72, Ed WE6W (CW only/VP-0); http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 24 Sep 1998 13:37:02 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [20857] Re: WAS WEEKEND
Message-ID: <360A833E.4657@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

> KEVIN,

> Along the lines you discussed about rare states, it would be great to have a
> WAS weekend.A time when we would have a best chance for making the RARE
> states. Start Friday nite and go thru Sunday nite. Certificate for QRP X QRP
> WAS and QRP MIXED WAS.Conditions are getting ripe for this.

Sounds like it would make an EXCELLENT ARCI contest! I will suggest that
to a couple of my friends.

In the meantime, count me in. If we can plan ahead, and one of the QRP
groups can plan it for next spring, I can do either RI, VT or DE, from
one of the state parks there.

I have also toyed with the idea of trying to get a real serious
"activate all states QRP" for the ARRL CW Sweepstakes. The CW SS is,
btw, an *EXCELLENT* way to pick off new states. Although I have never
managed a QRP "Clean Sweep," one year, I did work all states during the
contest, with 5 watts (most were NOT QRP, so it was not 2XQRP). I am
also doing a WAS with 10 milliwatts and so far have 30 states worked,
ALL in the CW Sweepstakes. Those SS big guns sure have some real good

ears!!! Let's see if we can overwhelm the next CW SS with Q class stations! :-)

My SS idea is that we could get at least 2 QRPers agree to do a serious QRP effort from each state. The purpose is to put the states on the air and available to fellow QRPers, so the ideal activation would be to borrow a "big gun" station. Equally valuable is a detemined effort from a more modest station, making up in QRP determination the dBs lost by using less effective antennas. If the QRP state-activator spends lots of time CQing, fellow QRPers WILL find him or her. I am already making arrangements to activate DE for the 1999 SS. Might try it this year, too, either from RI or VT.

In the meantime, seeing as RI seems to be another "rare" one, let me see if I can talk KH6HZ, a friend in RI, to do a few skeds.

73,
Ed, W1RFI
ARRL Lab

Date: Thu, 24 Sep 1998 10:30:28 -0700
From: k6hcj@juno.com (Marv Fagenson)
To: qrp-l@Lehigh.EDU
Subject: [20858] 48SPECIAL
Message-ID: <19980924.103028.4974.0.k6hcj@juno.com>

I'm gonna put my other 38S on 40M and Marty Himes WB8FNH wrote a mod for this.
I e-mailed Marty at himes@idi.ocle.org and it came back. Anyone know how to reach him, please. Also, anyone else who has a 48S, I would like some info.
Tnx,72
Marv Fagenson
k6hcj@Juno.com

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 24 Sep 1998 10:35:38 -0700

From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Cc: k7gt@qsl.net
Subject: [20859] Sell/Trade items (mostly QRP or CW)
Message-ID: <360A82EA.685A@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For sale or trade:

MFJ 9020. Works fine. Field tested. Trade for SST/20 or $95.

Vibroplex Brass Racer paddle/keyer(8044 chip) prefer trade with Bencher
     BY-1 or BY-2 in the deal, else $75.

Mirage 2m linear/preamp B34G. (2W in ~35W out, plus 20 dB preamp on rx)
     Never installed/used. list $ - 10 = $80 + shipping

Want to trade toward:

SST/20, prefer with KC-1

lightweight paddle (NOT Whiterook) or Bencher BY-1, BY-2.
--
73 de K7GT
Allan Taylor (a.k.a. Grant)   Pleasanton CA
email: k7gt@qsl.net
web page: http://www.qsl.net/k7gt/index.html

Date: Thu, 24 Sep 1998 17:36:47 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20860] HW-8 Trade for Ant. Analyzer.
Message-ID: <360A832F.78B1@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oh boy. I hate to do it... But I just have to
have one.

Gang. I have a HW-8/PS/Speaker to trade straight
across for a Autek/MFJ etc. ant. analyzer.

Although I'm HF-ONLY, I'd like the analyzer to function
as high as 1GHZ if possible. It helps to model antenna
design using smaller antennas :) :)

So whatever XXX Brand Ant. Analyzer that functions well
and Battery operated will be considered.

I am somewhat attached to my HW-8 so this isn't an easy
decision.

CONDX if HW-8: Works fine. Lighted dial mod. BNC connector
at rear. Sm. hole for future Coaxial power jack in rear.

Speaker is fine. Powersupply works and has new LED.

So, if you have an Antenna Analyzer you aren't using too much,
maybe this is the trade for you.

Please copy correspondence to both: we6w@qsl.net and we6w@juno.com

Thankyou.
-Ed (What have I done....)
--
72, Ed WE6W (CW only/VP-0); http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 24 Sep 1998 12:35:27 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [20861] rare states
Message-ID: <199809241835.MAA03268@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>X-From_: JEVANS2@missc.state.wy.us Thu Sep 24 11:09:42 1998
>Date: Thu, 24 Sep 1998 11:03:14 -0600
>From: "John Evans - N0HJ (John Evans)" <JEVANS2@missc.state.wy.us>
>To: marion@montana.com
>Subject: rare states
>Content-Disposition: inline
>X-MIME-Autoconverted: from quoted-printable to 8bit by pop.montana.com id
LAA10612

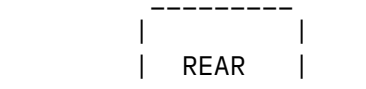
>
>Roy,
>
> I can receive QRP-L list email but can't send unless I am dialed in. Could you forward a word to the list that I will be in Wyoming, most likely for the next month and can help folks with Wyoming, usually on a Saturday or Sunday in the park. My hotel is not a good location for operating. Folks can email me directly to jevans2@missc.state.wy.us or the preferred email is jaevans@codenet.net.
>
> thanks es 72 - john - n0hj
>
>John A. Evans - Titan Software Systems
>
>

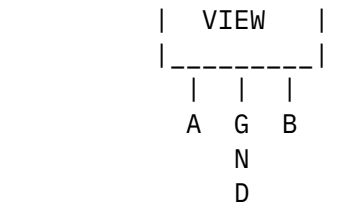
Date: Thu, 24 Sep 1998 13:49:44 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU, njqrp@njqrp.org
Subject: [20862] Rainbow Tuner in KE6RIE Enclosure
Message-ID: <199809241749.NAA51230@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rainbow Tuneup in the KE6RIE Enclosure

Several folks have written to me about having difficulty getting their Rainbow Tuner to work on 30 meters once installed in Doug's handsome enclosure. An application note on the subject will shortly appear on the NJQRP web page. It will feature some wiring notes as well as a wiring diagram. Meanwhile, though, here are some things to try to maximize the high frequency tuning capability.

1. In an errata posted on qrp-l by Doug, he tells to use only one section of the variable capacitor when you wire it up. If you parallel both sections (as the directions for the enclosure state) the minimum capacitance will be too high. You want to use only the B section as shown below.





G is the ground terminal.

2. If you look at the back of the capacitor you will see two brass screws. These are for trimmer capacitors used for receiver alignment when the cap is used in a broadcast receiver. We really want the maximum tuning range and the trimmers add an extra 10 pf or so to the above numbers limiting the maximum frequency range. So it is necessary to adjust the section 2 trimmer to its minimum value. To do this turn the trimmer screw so that its plates are fully unmeshed. You really only have to do this to the section B trimmer, but it's easiest to just do both.

3. The enclosure directions tell you to use RG-174 for both the capacitor and antenna binding post wiring. This may limit the upper tuning range since this coax cable has an inherent capacitance of about 2.6 pf per inch which will be in parallel with the tuning cap. It is best to minimize any coax length and I also recommend using point-to-point wiring from the pc board to the tuning cap.

N2CX 9-24-98

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Thu, 24 Sep 1998 10:49:13 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Radman" <radman@best.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20863] Re: Not QRP: CP Backup?
Message-ID: <008701bde7e3$a76be360$214ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

>A product that appears to include CP backup is IBM PC DOS
>-7. (Perhaps easier to track a copy of this one down on
>this list.) Check out URL:
>http://tcp.ca/July95/PCDOS7.html

Hi Conrad -

Gollyge whiz! You really saved me a lot of time! I was just about to attempt a search of "Big Blue", and wasn't looking forward to getting lost on their web site (ha ha).

I'll check it out.

CUL, Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298
IPhone = "N7MFB" (Ham Radio conference)

Date: Thu, 24 Sep 1998 12:59:39 -0500
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [20864] ARRL HANDBOOK SIERRA advice needed please.
Message-ID: <BB6584384834D211AFC00000F8BDCA842B2DAB@alrsrv02>
MIME-Version: 1.0
Content-Type: text/plain

I bought the 1997 ARRL RADIO handbook in 1997 because it had the info on the Sierra in it.

Has anyone built the radio from the handbook and gotten it to work well?
Where do I get the large tuning capacitor? Should I locate a therapist?

I do not want to build the radio to save money or cut Wilderness Radio out of a sale; I am learning and enjoying the experience.

Steve Brockwell
KC5TTY
Elgin, OK 73538
(.... first real cw contact last night and boy what a rush!!!!! ...)

Date: Thu, 24 Sep 1998 11:03:16 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Cc: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Subject: [20865] J310 SPICE Model
Message-ID: <360A8964.771D7886@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Does anyone have a SPICE MODEL for J310 or equivalent JFET?

Struggling with solving for DC operating point of JFET U310 or J310
as a Source Follower compared to a 2N2222A. Same need, find DC
operating point for JFET as a Grounded Gate Amplifier.
Cannot find much about these two circuits in our favorite EE
books such as Bowick, etc. Plenty about JFET as Common Source. Must be
missing a simple concept.

73, Thanks, W6MIK
--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Thu, 24 Sep 98 14:20:06 EDT
From: jeverhar@cse.l-3com.com
To: af389@lafn.org
Cc: qrp-l@Lehigh.EDU
Subject: [20866] Re: J310 SPICE Model
Message-ID: <9809241820.AA22295@train11.cse.l-3com.com>

Dave, I found this the ohter day in looking for the data sheets for you!

http://www.national.com/models/spice/U3/

Since the U310 and J310 are brothers, this should do the trick!

72/73,

Joe E., N2CX

> Hi,
>
> Does anyone have a SPICE MODEL for J310 or equivalent JFET?
>
<SNIP>
>
> 73, Thanks, W6MIK
>

Date: Thu, 24 Sep 1998 11:43:11 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: David Shalita <af389@lafn.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20867] Re: J310 SPICE Model
Message-ID: <Pine.BSI.3.96.980924114215.11566B-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 24 Sep 1998, David Shalita wrote:

> Hi,
>
> Does anyone have a SPICE MODEL for J310 or equivalent JFET?
>
> Struggling with solving for DC operating point of JFET U310 or J310
> as a Source Follower compared to a 2N2222A. Same need, find DC
> operating point for JFET as a Grounded Gate Amplifier.
> Cannot find much about these two circuits in our favorite EE
> books such as Bowick, etc. Plenty about JFET as Common Source. Must be
> missing a simple concept.
>
    Try looking at the Fairchild Semiconductor website. They have PSpice models for all their devices right there. If no luck, let me know and I'll send you mine.

```
     ,----------------------.       Circuit Design for the
    /    What's all this     \            RF Impaired
   / extinct stuff, anyhow?  /
   \  _______,--------------'        Chris Trask / N7ZWY
  _ |/                               Principal Engineer
```

ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Thu, 24 Sep 1998 14:56:46 -0400
From: Frank McCrackin <wb6lma@cdsnet.net>
To: qrp-l@Lehigh.EDU
Cc: MelEvansGM6JAG@compuserve.com
Subject: [20868] Excess Power
Message-ID: <199809241856.OAA12766@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Subject: Re Where do it go, bit long

>The question was asked what happens to the "excess" energy that is
>generated and sent out to the grid distribution system.

There really isn't any excess. Let me explain -- also, there is an indirect relationship to QRP so don't holler yet!

Today's electric power systems are based on 3 phase, 60 cycle, synchronized power generation and transmission (there are rare exceptions). Most of the generators in operation at a given time will be operating at a fixed output while a few will have their controllers set to hold frequency. If load increases, the load will momentarily exceed the input energy causing the system to slow down and the controllers take action to restore the system frequency to 60 cycles by increasing power input. Likewise, a load decrease results in decreasing power input. Further, there is a master controller that adjusts power input to maintain time-keeping capability. As time goes on, added generators are put on, or taken off, line to compensate for major load changes. In the pre-computer era, all of this was controlled by electro-mechanical means coupled with human monitoring and intervention.

In recent years, local area utilities have been extensively interconnecting with each other for economic and political reasons. As a result, electric system stability and reliability have been badly compromised even though computers have been integrated into the control system. Human monitoring and intervention is still a must.

Most of the time, I suspect that the public perception of utility reliability is very high -- for example your plug-in electric clocks keep better time than ever before. The extensive transfer of major amounts of power over long distances for economic and/or political reasons, the politically forced transfer of ownership and operation of power sources, and the reduced level of accountability all add up to an increasing risk of major power outages extending over large areas and over long periods of time. The famed Year 2000 computer dating problem may be a major element.

The amateur radio community has been providing communication services in areas hit by disasters (floods and hurricanes, for example) in recent times. Extensive power outages may be another such opportunity. Amateurs running battery operated systems may have to be major players in providing communications for both public and private services for extended periods of time. QRP operations appear to me to fit that role.

72, Frank McCrackin
(Former Electric System Planner, among other things)

Date: Thu, 24 Sep 1998 13:06:27 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@mtechnologies.com,
Morse.Express.Clients@edison.chisp.net, Morse.Express.Clients@edison.chisp.net
Subject: [20869] Announcing GHD Keys from Morse Express
Message-ID: <199809241906.NAA04171@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

The GHD keys, made by Toshihiko Ujiie in Sendai City, are beautiful, practical, and innovative. The "D" models use optical sensors in place of physical (see below the table for more info) and the bugs employ a superbly balanced pendulum arm that works with a relatively light weight, giving them a greater than usual speed range.

The optical sensor arrangement eliminates the need for
physical contacts and results in extremely smooth operation.
The sensor requires an external power supply of +10 to
15VDC, connected via a pre-attached pigtail lead with
socket. Matching plug and a power cord are supplied.

GH-GD105MKII Optical Sensor Bug with "W" levers
8-1/4 x 3-3/16 x 2-1/2 3 lb 9 oz $359.95

GH-GD305 Optical Sensor Dual Paddle
6-1/2 x 3-3/16 x 2-1/2 2 lb 14 oz $249.95

GH-GN205 Mechanical Contacts Single Lever Bug
8-1/4 x 3-3/16 x 2-1/2 3 lb 7 oz $294.95

GH-GN305 Mechanical Contacts Dual Paddle
6-1/2 x 3-3/16 x 2-1/2 2 lb 13 oz $179.95

GH-GN405 Mechanical Contacts Single Paddle
6-1/2 x 3-3/16 x 2-1/2 2 lb 12 oz $169.95

You can see pictures of the GHD keys at
http://www.MorseX.com/ghd and use our secure ordering
facilities on the web site, or call (800)238-8205 toll free to
order by phone, or (303) 752-3382 for more information.

Date: Thu, 24 Sep 1998 15:04:19 EDT
From: Robsparks@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20870] 40 m AR QRP Net results
Message-ID: <2e4cd4fa.360a97b3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks,

Last night, 0030Z, was the first (this fall) 40 m AR-QRP net on a FREQ of
7.052 MHz. Bob, AB5ZD, was NCS.

The following stations checked in:

W0AV George MO George, I'll do btr next time! your RST abt 339!
N9ZZ Bob AR Tentec Argo
KE6ZX Fred FL FT 900 5 w
N50E Carl MO G5RV - strong sig!
KC0M Larry MO G5RV - another strong sig!
W5TVW Sandy LA Knwd 5 w

The AR-QRP net welcomes checkins from all QRP'rs, members or not. Don't worry if your code is not up to speed: we QRS! Let's all send in power, antenna type, and height next time. I'll put the results on the list.

The next net will be Wednesday night, 9/30/98, FREQ 7,052 MHz, time 0030 Z. CU then!

Bob AB5ZD AR #227

Date: Thu, 24 Sep 1998 14:06:50 -0500
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-l@Lehigh.EDU
Subject: [20871] Rare States: Remember 50-50, or 50-40-30?
Message-ID: <19980924.140754.6646.0.ab5uacw@juno.com>

Boy, has it been that long? We did a couple of activities here, a couple of years ago. One was 50 States in 50 Days, and the other was 50 States on 40 and 30 meters. It was loads of fun, and lots of us filled needed states with these two activities. Am I the only one who remembers, or does no one want to handle the
planning?

Come on Fox !!!

72,

Clif AB5UA

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 24 Sep 1998 14:10:06 -0500
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [20872] 15 and 17M Check the bands!!
Message-ID: <360A990E.61D5@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks need to be checking the dials these days, as the season changes and were getting more solar activity to boot.

Yesterday 22:22Z I heard some JA's wrking a pile up of super QRO stns so I went up to 21.060 and called CQ DX and soon heard KH6AFS/QRP calling me. Sam was useing a solar powered ham stn makeing it a cool QRP/solar pwr x 2 QSO!
There was a Scandianvian contest last Sunday and I bagged a lot of OH, SM, OZ, LA, SK, OH0 (some OH land island) - then got HL0ZG another "off the wall" island, and on to the evening with VK9 Norfolk island Aus! All with the QRP+, 3 watts, my 2 ele quad at 70' and AA nicads charged with a 5w solar panel.

While in Fayetteville /M I had my 17M Hamstick and contacted YV5ANT at 20:14Z and then at 20:22Z HC8C Galapogoes island.

The bands are comeing back on high bands, and shooting skip is getting interesting!

Breaking the pile up on the VK9 with QRP took about 10 min of calling.. but I am lucky to have the rotateable 2 ele beam! Makes it all wrk better. The bloke on Norfolk only had a dipole I hear. He like many DX stns will sometimes say "the QRP only pse"....

But the DX I got on 17M mobile with 3 watts proves you dont have to have a beam at 70' to have a blast!

Keep checking 15M early am till 11am - noon.. then seems like the west comes in around 5pm and till 8-9pm! Maybe later??? But 9 is too close to bedtime for that much excitement!!! Maybe Ill dream about DX or something I dono...

A couple of us "DX chasers" from Arkansas QRP club are writeing an article in the next (free) issue of our newsletter. Email me for membership (free) info.

Good luck to all and if the DX dosnt hear you, goto 21.060 or 21.110mHz and call CQ... de Jim AR QRP #2

Date: Thu, 24 Sep 1998 15:57:45 EDT
From: PDouglas12@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20873] Radiokit revisited
Message-ID: <c17612b8.360aa439@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

A message string has begun on "very small rigs", like those put out by Radiokit until about four years ago. Yeah, four years is a lifetime in ham radio.

First, though, take note that the proprietor of Radiokit was definitely not Rick Littlefield! I don't think Rick had any formal connection at all with Radiokit.

Some history: Radiokit sold "bag of parts" kits for construction of the Rick Littlefield designed QRP 20 transceiver and later the Littlefield QRP 15 transceivers. Rick was one of the firstest with the mostest to use the NE602 mixer/oscillator combo chip to make up a superhet. Actually, the first Littlefield superhet was a stand alone receiver for 20m published in the old Ham Radio mag. Radiokit sold these bags of parts to make the receiver and then started selling kits to make the transceivers.

The bag of parts started out as a convenience to homebrewers who didn't want to chase down all the little pieces by themselves. Unfortunately, these bags of parts never evolved into the well documented kits we see being sold by others.

I own an "original" Radiokit 20M receiver, a "three board" QRP 20 transceiver and a "late model" QRP 30 transceiver. The Littlefield transceivers started with the 20, which was essentially the original 20m receiver board, with a transmitter strip added along the back panel and another tiny board with a second, cascadable 4 crystal IF filter and audio filter. These three boards were stuffed into the tiniest Ten Tec cabinet you ever saw--making a five watt QRP rig with a four or eight crystal IF filter (switchable) with audio filter added when the second four crystals were switched in. When it worked, this rig was a hot and as good as anything currently out there. Mine works. It is not for sale!

A later version of the QRP xx line put all of the circuitry on one tiny PC board, leaving out the second four-crystal filter (not really necessary) but retaining the switchable audio filter. All these rigs had AGC, speaker volume, and 5 watt output. Radiokit supplied them with hardware, labeled, drilled, and punched case, and all controls. Complete for $99, shipped!

The QRP 20 was reviewed by Chuck Adams (unfavorably) in QRPp about four years ago. The main problem was that the PC board had no silk screening--and the instructions didn't contain a scale parts placement drawing. So, the parts placement pics were nearly useless, and it was necessary to read the schematic and follow traces to place each part on this tiny, tiny board.

So, this rig sounds pretty good, except for the construction, right? Well, yes, but you can't get past the construction so easily. I also reviewed the QRP xx rigs in my first Round Robin review in the QRP Quarterly about three years ago. I thought the competing Emtech NWxx series and the OHR rigs were better choices for all but the most daring, skilled builders. Yes, the Radiokit radios were smaller, but I found the instructions that came with the Radiokit kit to be nearly unusable. Before you could even start to build a QRPxx, you had to take the three pages of errata which themselves had handwritten changes (is that the second derivative of errata?), and incorporate them into the instructions.

And the finished rig wasn't perfect, of course. The transmitter had (OK, one of mine still has) a tendency to "take off" and self-oscillate which is only cured by cutting power back to about 2.5 watts or less. Plus, the original Littlefield design used a relay for T/R control, making for a "semi-QSK" system, rather than real QSK. The PA instability is almost certainly due to the PC layout and poor RF bypassing in the Radiokit version. As to the relay, well, all of the designers who followed used solid state/QSK switching, including Gregson's NWxx series, Benson's NN1G rigs, OHR kits, and Burdick's Norcal/Wilderness radios. But I suspect all of these designers would give credit to Littlefield's brilliant original design; the designs that followed were variations on his theme.

As to Radiokit, the company: The owner, somewhat soured by the response of the QRP community to his failure to improve his bag of parts kits, even as to the written instructions, decided to stop selling kits. I think Carl, the owner, continued in business selling/modifying QRO linears amps! Really. But I don't know if he is still around.

Nowadays, all of the above companies (except Radiokit, of course) sell transceivers which are later generations (read: improved) of the Littlefield "floorplan" rigs. Some of them even sell rigs that fit in cases as small as the QRPxx series. So, a current builder seeking small radios needn't search very far. One company that makes small sized transceivers is Small Wonder Labs (owned by Dave Benson, NN1G. SWL's current rigs are third generation,

descended from the Littlefield rigs through the NN1G (named after Benson's call) radios of just a few years ago. One thing I can say for sure. All of these makers are selling kits with superb (not just good) instruction sets. And their PC boards are equally excellent.

Oh, and if you feel you must have a Littlefield model, complete with the relay, you can go buy the MFJ CW transceiver. That's where the QRP 20 survived in its least evolved form, with perhaps a tweak here and there (e.g., I believe MFJ licked the instability problem, which wasn't actually in the PA--it was in a prior stage.) And the building is done by MFJ for you! It always was a good little radio, in all its iterations. And for the masochists out there, check with Far Circuits. I think they still have the circuit boards for both the three board and single board versions of the original Littlefield. Then you gotta' find a copy of the applicable article.

72,

Preston Douglas WJ2V

Date: Thu, 24 Sep 1998 13:08:38 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [20874] 10m doing good at 2000Z
Message-ID: <199809242008.NAA02749@usr02.primenet.com>

Ooops, darn CNTL-D....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

---

Date: Thu, 24 Sep 1998 13:08:01 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [20875] 10m doing good at 2000Z
Message-ID: <199809242008.NAA02730@usr02.primenet.com>

Howdy Folks,

Back in the Corporate Quagmire, so I'm sending this "blind"
once again. Had to get some equipment from a co-worker's
car a few minutes ago (around 2000Z) and he happen to have
his HTX-100 set up. Turned it on and heard a PY calling CQ
(CW) on the low end of 10m, plenty of beacons, and a good
number of SSB ops from across North America. My buddy
gave a quick "howdy" to Herb in Niceville, FL (around 28.500?).
Great sigs both ways. Then we had to scurry back to work.

Smoke 'em if ya got 'em!

Date: Thu, 24 Sep 1998 15:57:08 EDT
From: Bensondj@aol.com
To: qrp-l@Lehigh.EDU
Cc: Bensondj@aol.com
Subject: [20876] QRP Afield- Early Results
Message-ID: <bc8ce4cc.360aa414@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

gang-

I've received a number of QRP Afield reports to date, and these are summarized
below.   I'm showing an abbreviated form of the results; the data consist of
number of QSOs, score, and location.

Thanks to everyone who participated, and keep those scores coming in!

Rover :

N6RY, Terry   8   400   Yosemite Natl Pk, CA
                                                                (backpack)
Portable:

N6MM, Harvey   64   17407   Angeles Nat'l Forest, CA
KI0AF, Mike   55   11000   Missouri river bluffs, MO
KB7MBI, Alan   48   10368   Park- Redmond, WA
  (+W7CD- Bob)
K7ZEN, Scott   32   9728   Coconino Natl Forest, AZ
  (+N7CEE- Bruce)
N6WG, Bob   36   9216   Park nr Hayward, CA
NN1G, Dave   23   2760   Green Mtn. Natl Forest, VT

```
 KW3U,  Jim        16             1536         Matamoras Pk., PA
  (+K2CD- Mike)
WD7Y, Ed           30             1440         nr Lake Tahoe, NV
KI0G, Bob            29             1392        Lookout Mtn, Garfield Co.,  CO
WA5WHN, Jay    15            1200        Jemez Mtns, NM
N9MDK/9, Greg  12              768         Nashville, IN
WD8RIF, Bill         10              560        Athens, OH

Home:

N2CQ, Ken       104           16224           NJ
N5TW, Tom        37              7104           TX
WE6W, Ed          54              6264           CA
AB0GO, Dave    48              3072          CO
NQ7X, Floyd       34             2856           AZ
AB8DF,  Ed         43             2236           MI
N0IBT, Dave       28              2016         CO
VE5VA,  Pete      16              1664         Sask.
K8CV,   Walt        26             1560          MI
WA1QVM, Joel   26             1456          MA
N3XRV,  Chris     17              748           MD
N7GS,  Mal         13               520           MT
WA8HGZ/5, Jack  1                  4           TX
```

I'll post updates periodically (or until we all tire of the subject). :-)

72, Dave Benson, NN1G

Date: 24 Sep 1998 15:16:41 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>, qrp-l@Lehigh.EDU
Subject: [20877] RE: RF Losses-another test proposed
Message-ID: <n1305472224.30167@msmailgw1.arlut.utexas.edu>

I am going to try to find out from a friend at the state transportation dept. lab what he can say about the plastics material questions we have. He is a ham and may have already been down the RF loss path. (They were using RF chambers to heat old asphalt into reuseable road mix a few years back and that is now an accepted practice in road rework in these parts.)

My trip to a local building supply on Sat. having found 4 differing cements alone for PVC has made me realize the scope of the problem of using building grade materials makes testing for the application all the more important.

For the casual user of building grade plastic parts, it is probably easier and not very costly to try them, and if it works or heats up in Radio use, let us know. For the purists, read on----

I think the variences in PVC cements are not going to deter the RF uses, as PVC solvents vary in the proportions of two constituents (acetone and MEK), to desolved PVC resin, and the components are surely used in other plastics applications around RF. Certainly Acetone has been around forever, and in the 60's MEK became a popular cleaning agent for electronics packagers. I think if either had possible bad effects at RF, we would have heard "do not to clean with them, or use them as plastic solvents, because residues might remain after use."

I have been doing addtional reading, from DeMaws MFJ core handbook, various ARRL handbooks up to 1995, and other sources like RSGB Handbook. It appears a Q test might be a universal and doable evaluation of a dielectric/insulator candidate. IE, use a test piece as a form under a known Hi Q coil and fixed capacitor of low loss and observe any effect on circuit Q.

Having acquired a ceramic insulated, but fixed value multi plate capacitor at the last swap meet, I think I have found a use for it. I am hoping one could do a Q determination with and with out a test form, using the station transceiver as a source, and measuring the Bandwidth between 3 dB points.

This would satisfy those who want to test at the exact RF frequency where they want to use the plastic.

One idea as to how to get a high Q test coil, easily affected by a forms losses, would be to build it as a Helical Coil Resonator, (HCR), as shown in the SAMS ITT Radio Handbooks. I have built those as low as 10 MHz. I believe air wound coils of stiff wire or tubing had Q's in the hundreds. It is simply a coil in a shield can, and you can tune it to frequency with a low loss cap across the upper end, with the lower end attached to the shield can as the low side of the tank circuit. The box can be round or square, and made of circuit board soldered together. Other shortened cavity plans have been shown in the amateur magazines in the last few years, and could be used as test chambers as well.

The HCR can function as a bandpass filter, or a suck out trap, or a series high impedance to RF. Using it as a test bandpass filter would be the way to use it for the Q test with a transceiver. It might be a small problem to determine what the equivalent decline in output power of 3 dB at the filter corners would be in terms of your SWR/Power Out meter, but of course, an RF voltage probe could be used with a dummy load, and look for the voltage to fall to 0.707 of the mid filter band value at the edges. Relative readings would be fine, and a homemade probe adequate.

To use the HCR as a filter, tap up on the coil on each side for a 50 ohm match for an input and an output. Then put it inline to your dummy load, with an RF voltage test point on the dummy input.

The microwave test with cup of water and your plastic sample is still the best way I feel, to catch the use of metallic filler materials, or chips which could be a loss factor to RF uses all over the spectrum.

Duffey has done a fine service finding the dielectric constants and temperature ratings of the common plastics in the 1998 ARRL Handbook. This material was not in my 1995 ARRL book, but two differing tables of dielectric constants for the same plastic were shown. That must reflect the use of outside sources, and the great variety even within a class of plastic like PVC or other common ones.

To give one an idea of HCR size, the 10 MHz one was made with a 1/8 inch copper tubing in a coil about 6 inches in diameter, or perhaps the shield can was 6 inches, it has been some years. But one made more recently for 150 MHz was made from a 9 pin tube shield, about 1 inch diameter, and say 2 1/2 inches long, with open wire coil inside, and it had a 40 dB notch function.

Hope these thoughts are useful to those with testing urges.
Stuart K5KVH

Date: Thu, 24 Sep 1998 16:27:24 -0400
From: "James Fielden" <fielden@utkux.utcc.utk.edu>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [20878] First Zombie Message
Message-ID: <01bde7f9$bd430180$6012a980@galaxian>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here is the first Norcal Zombie Message I find in my text...

Date: Sun, 17 May 1998 22:25:15 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Message-ID: <199805180425.WAA26097@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I really had no intention of starting a range war by my not being impressed by norcals latest offering. However, the deluge of e-mail has been interesting. About half have minds of their own. The other half are norcal zombies. If norcal promotes it, they will be beating out cw on drums while singing "we are the world".
Roy AB7CE

That is all...

72 * Jim, KU4QW - QRP-L # 1481
fielden@utkux.utcc.utk.edu - FISTS # 5380
http://www.qsl.net/ku4qw/ - No-SSB International (tm) # 1,000,014

Date: Thu, 24 Sep 1998 16:32:00 -0400
From: Tom Cooper <cooper@gmpvt.com>
To: qrp-l@Lehigh.EDU
Subject: [20879] Re: Radiokit revisited
Message-ID: <3.0.5.32.19980924163200.007d9e10@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Both Nils and I have 75M SSB xcvr "kits", for a Ham Radio magazine article by Rick Littlefield, that were put out by Radiokit. These kits are complete hobbies in themselves. If any of you dares to utter even the slightest encouraging word, I will try to deliver my junk to your door with no return address before he does.

The parts quality is excellent but the pc board and instructions are the worst ever. If Monty Python did ham radio skits, this would be the Spam.

Tom W1EAT

Date: Thu, 24 Sep 1998 14:13:33 -0700
From: "Bill Todd" <bill@willapabay.org>

To: <DENNISMO@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20880] Re: Not QRP: CP Backup?
Message-ID: <001801bde800$342dc220$2d4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Denny - AD6EZ wrote:
"Be very careful using a program that is not quit up to Windows 95
compatibility. In
>Win. 95 you are allowed long file names.

Hi Denny -
Thanks for the heads up. What I was planning to do is use the CPBackup
program on my spare computer, which runs WIN 3.11, and NOT on the WIN98 OS
machine.

Who knows what I will find on those old disks of nearly three years ago?
Maybe I'll find the secret back account numbers of that bank in Switzerland.
. .then again, I don't recall having a money squirreled away in Switzerland
(ha).

CUL, Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298
IPhone = "N7MFB" (Ham Radio conference)

Date: Thu, 24 Sep 1998 14:22:01 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: prvalko@oakland.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20881] Re: How not to Win Friends and Influence on QRP-L!!!
Message-ID: <360AB7F9.6AA0FE09@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul R. Valko wrote:
>

> Everyone please observe how NOT to win friends and influence
> people on the QRP-L...
>
> On Thu, 24 Sep 1998, (someone who should have known better) wrote:
>
> > 5 elem home brew yagi at 35 feet using 300 watts.
>
> Followed by THIS gem...
>
> > Ye Olde Fact:
> > Life is too short for QRP
>
> Sheeze... Oh well... foxhunt news to follow shortly!

Well, Paul, we can always borrow the motto of the Colorado QRP Club:

"Life is too short for $800 finals"

72 de Jim - AD6CW

Date: Thu, 24 Sep 1998 17:25:16 -0400
From: jim nestor <nestoji@home.com>
To: qrp-l@Lehigh.EDU
Subject: [20882] Re: Radiokit revisited
Message-ID: <19980924212826.AAA16443@cc652944-a.ewndsr1.nj.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's interesting to see that I wasn't the only one to get sucked into the mailstrom of the QRP20 by Radiokit.
I saw the Rick Littlefield original at Dayton and had to have one. The other thing I probably needed was a therapist!

I did manage to build the 3-board version and squeeze it into the teeny box. One adventure I remember was that all of the xtals were on the same frequency and the instructions for the BFO were something like "pull the BFO xtal to the appropriate frequency". About 32600 solder bridges later, I did get the rig to work and made a few contacts before things started falling apart.

I still have the rig and occasionally think about putting it back on the air.. but those moments usually pass after a drink or two.
In the words of a wise man... "you don't want to go there".

There's no comparison with the modern kits. My SWL-30, 40A, SST, and Sierra

all work reliably. Can't wait for my K2.

72,

Jim, WK8G/2
nestoji@home.com

Date: Thu, 24 Sep 1998 17:32:50 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20883] Re: Radiokit revisited
Message-ID: <015801bde802$f5c8d440$f2a898a9@jaxadmin2-89.mediaone.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I couldn't resist the temptation to jump in....

I built the RadioKit 20M transceiver back in '91, at a time when I was rediscovering amateur radio after being QRT for fifteen years. Prior to the RadioKit, my last kit assembly was that of a Heathkit HW-101 and SB-230. The RadioKit was an incredible, time-consuming challenge. But if you persevered, you had a real, driftless, and relatively stable working transceiver.

I still have the kit to this day, and it works well, although sensitivity on receive is not as good as my Norcal/Wilderness rigs. There is a point when a kit like this becomes an obsession: you wonder, just how may additional features you can fit into a 2"x2"x4" enclosure! I believe I ended up with RIT, internal Curtis Keyer, adjustable sidetone, and adjustable IF bandwidth.

The only problem I've ever encountered is that the NE602, in its designed circuit, was very susceptible to permanent electrostatic damage from nearby thunderstorms....storms that could be miles away. I changed the NE602 several times because of this and as any of you who have built this rig know, gaining access to the bottom of the PC board is nearly impossible. One has to disconnect many wires first! Like Pavlov's dog, I learned quickly to disconnect the antenna when the rig was not in use!

After building the RadioKit, you develop a deep sense of respect for Wayne

Burdick's "no wires" NorCal designs. I am so spoiled by my Norcals, I only use the RadioKit on rare occasions.

-Paul, W9AC
-----Original Message-----
From: Tom Cooper <cooper@gmpvt.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, September 24, 1998 4:35 PM
Subject: Re: Radiokit revisited

>Both Nils and I have 75M SSB xcvr "kits", for a Ham Radio magazine
>article by Rick Littlefield, that were put out by Radiokit. These
>kits are complete hobbies in themselves. If any of you dares to
>utter even the slightest encouraging word, I will try to deliver my junk
>to your door with no return address before he does.
>
>The parts quality is excellent but the pc board and instructions are
>the worst ever. If Monty Python did ham radio skits, this would be
>the Spam.
>
>
>Tom W1EAT
>
>
>
>
>

Date: Thu, 24 Sep 1998 14:47:53 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Jim Lowman <jmlowman@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20884] Re: How not to Win Friends and Influence on QRP-L!!!
Message-ID: <Pine.BSF.4.02A.9809241434220.6014-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Oh come now, folks. *Everybody* knows you can get a matched quartet of Svetlana 811A's for far less than that! IMNSHO, Life's too short for kvetching about the relative merits of QRP.

:) & 73,
Bob W3CD

On Thu, 24 Sep 1998, Jim Lowman wrote:

> Paul R. Valko wrote:
> >
> > Everyone please observe how NOT to win friends and influence
> > people on the QRP-L...
> >
> > On Thu, 24 Sep 1998, (someone who should have known better) wrote:
> >
> > > 5 elem home brew yagi at 35 feet using 300 watts.
> >
> > Followed by THIS gem...
> >
> > > Ye Olde Fact:
> > > Life is too short for QRP
> >
> > Sheeze... Oh well... foxhunt news to follow shortly!
>
> Well, Paul, we can always borrow the motto of the Colorado QRP Club:
>
> "Life is too short for $800 finals"
>
> 72 de Jim - AD6CW
>
>

Date: Thu, 24 Sep 1998 21:48:41 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20885] Hamshack Aerobics -- The Fit Ham
Message-ID: <360ABE39.1A77@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yes folks, you too can have that trim and athletic figure
too. Toss out those rowing machines! Become a Ham Radio
operator. Soon your collecion of magazines, projects,
radio devices etc. will have you gracefully bounding
from over those objects piled and balanced atop eachother

on the floor and into the exercise fad of the next millenium...

Ok, I'll cut it short :) It a'int Friday yet...

It's a good thing I mastered all 120 Tai' Chi' moves
a few years ago -- Really! Cuz that's what has allowed
me to get to the rig lately. Something must be done!

I've got a GDO balanced in an open drawer of Desk #2. Soldering
iron in the Dining room with tools strewn across the table. Boxes
of stuff piled near the window where my dogs rush to view passers-by,
upending carefully packed items. There's the 5 gal. buckets with
spools of wire rolled up. Antenna bucket across the room with a
bicycle repair job leaned against it. Scrap PC Boards, surface
mount gold mines, and my hardcopy backup of all stored articles
on the computer.... Piled High, deep, and wide -- on the floor!

One ray of hope -- a 9 drawer dresser! I'm going to fill every
drawer so I can open up a pathway to the rig! Yup. Then I'm
gonna alphabetize, Ionize, and anodize all them, including
those spiders under the half-completed 160 Meter tuner.

I'm sure it won't last cuz I have a need to exercize. Gotta
keep good balance. Just think of all the paper I could toss if
I bought all 9 books Niel Skousen/WA7SSA offered in a group buy.

But until then, it is survival of the fittest -- and from the
looks of my shack -- I'm in great shape!

Hi-dee-hoo!
-Ed (OBQRP: Resonant Laughter is louder.)
--
72, Ed WE6W (CW only/VP-0); http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 24 Sep 1998 17:06:52 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [20886] Dual Gate GaAsFETs - Inexpensive
Message-ID: <3.0.3.32.19980924170652.006dd1f0@divis17.ped-gen.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

construction type folks on the list might be interested in this.

i was searching around the web looking info on a particular power BJT, and stumbled on a close-out page at Down East Microwave

   http://www.downeastmicrowave.com

on the page they had Sony 3SK166 N-channel GaAs Dual Gate FET for $0.10 each. They are SMD's. I know that dual-gate FETs are getting harder to find, so i decided to buy some to play with. at a dime a piece, can not go (too) wrong.

I found a data sheet for the 3SK166A (don't know yet what the change was to make it an 'A'). Some specs of the 'A' device:

```
max VDS   8 V
max VG1S -6 V
max VG2S -6 V
ID       80 mA
PD      150 mW
```

Gain = 20dB (typ) at 800 MHz
NF = 1.2 dB (typ) at 800 MHz

--adam, n2brt

Adam B. Kanis, N2BRT   QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu   ARRL:RSGB:QRP ARCI:NorCal:QRP-L:G-QRP:CQC
** On the Web at   http://genome33.ped-gen.uiowa.edu/hamradio **

Date: Thu, 24 Sep 1998 17:07:55 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: PDouglas12@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20887] Re: Radiokit revisited
Message-ID: <360AC2BB.8C9D91A2@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

PDouglas12@aol.com wrote:
>
> As to Radiokit, the company: The owner, somewhat soured by the response of

> the QRP community to his failure to improve his bag of parts kits, even as to
> the written instructions, decided to stop selling kits. I think Carl, the
> owner, continued in business selling/modifying QRO linears amps! Really. But
> I don't know if he is still around.

If you are still interested, I believe Carl is KM1H and he frequents the VHF reflector (to subscribe send "subscribe" message to request-vhf@W6yx.stanford.edu). I believe he is converting linears to 6 meters these days. I believe he also services kenwood gear.

73 de Dave, N0IT

Date: Thu, 24 Sep 1998 17:13:29 -0500
From: "Cieslak, Chris" <ccieslak@LAW.UIUC.EDU>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [20888] FW: "Rare" WAS states
Message-ID: <9171552F3022D1118B9F00805FFEB54601485F9D@law-mail.law.uiuc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="ISO-8859-1"

Nevada for some reason has always been the hardest state for me to work (I am in Illinois.) I only have 1 or 2 cfd. NV stations, and NV was the last state i needed for my WAS.

72/3, chris aa9hd

Date: Thu, 24 Sep 1998 15:17:34 -0700
From: "Barry L. Geipel" <bgeipel@primenet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [20889] I feel the need
Message-ID: <199809242216.PAA23708@newspaper.cwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello again,

Since I last made a posting to this group, I have been

very active in QRP'ing with my HW-8. I last posted when I
had just made 4 or 5 contacts, now I have filled two
pages in my log book and I am starting to feel real
comfortable and confident. Hey, I am going for my 13wpm
test next week! The crowning achievement this far was
a 15m contact with JM3APP in Japan (nearly 2000 miles per watt!)

But now I feel the need to try my hand at building my own
rig. I did some surfing around and found lots of articles, but
I want your opinion. What should I build?

I would like to try a kit; one with minimally a printed
circuit board. A transceiver would be best, but a transmitter
only would be okay. What kits are available? I have limited
experience building kits and very little test equipment.
Oh, CW only, preferable 40meters or 15 meters, but I guess
20 would be okay once I get my General...

Thanks in advance!
73,
Barry - KF6RDI

PS: listen for me around 7.110 MHZ everynight around 0330Z

--

Barry L. Geipel (KF6RDI) ||
Email:bgeipel@primenet.com || Lacking a muse, my mauser
NRA HMGS-PSW ARRL || must be my thunderbolt
QRP-L #1653 ||
     http://www.primenet.com/~bgeipel/barry.html

Date: Thu, 24 Sep 1998 18:13:54 -0700
From: "Albert C. Miles" <wa4cmi@bellatlantic.net>
To: qrp-l@Lehigh.EDU
Subject: [20890] Re: How not to Win Friends and Influence on QRP-L!!!
Message-ID: <360AEE52.281@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Robert P. Okas wrote:
>
> Oh come now, folks. *Everybody* knows you can get a matched quartet of

> Svetlana 811A's for far less than that! IMNSHO, Life's too short for
> kvetching about the relative merits of QRP.
>
> :) & 73,
> Bob W3CD
>
I would like to see someone go backpacking or camping with that setup!!!

Date: Thu, 24 Sep 1998 18:30:21 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [20891] Lightbulbs and Verbosity, ?
Message-ID: <199809241830_MC2-5A93-5F15@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Question; How many software engineers does it take to change a light bulb=
?

Answer: (after two hours trying to get through to the help desk) None! it=
's
a hardware problem!

Regards

Mel =

GM6JAG
Edinburgh

Date: Thu, 24 Sep 1998 18:44:46 EDT
From: DYARNES@aol.com
To: radman@best.com, qrp-l@Lehigh.EDU
Subject: [20892] Re: Radio Shack DX394 closeout
Message-ID: <709e57f6.360acb5e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

In a message dated 9/24/98 8:58:46 AM US Mountain Standard Time,
radman@best.com writes:

<< Did you guys know the *original* *original* original price
 of the RS DX-394 was (gasp) $399.99 (US)? It's true! I >>

I'm not surprised. I do know that the current close out price is at, or very near, cost; but RS often tends to have a pretty stiff markup. Sometimes it is very obvious, other times not.
At this price, though, this receiver is a gonga! The features sure don't seem to justify $399.99, but they sure make the $160 price look good. How about dual cw positions? You can switch to listen on the other sideband, but with the cw filter in.

The most annoying thing to me about this radio is the 100 hz minimum resolution. Not a biggie I guess, but it kinda gets me when you can't sliiiiide smoooothly down the band!
It's a sensitive little critter, though.

72 de Dave W7AQK

End of QRP-L Digest 1224
****